

Master of Biotechnology Management (MBM)

Résumé Book

2025 - 2026



Markham Campus
York University

YORK 



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Dear Employer Partners,

On behalf of the Faculty of Science, the Faculty of Graduate Studies, and York University's Markham Campus, we are thrilled to introduce our Master of Biotechnology Management (MBM) students.

The MBM program has been years in the making. Shaped by extensive consultations with industry and rigorous review by both internal and external levels of governance, this program is laser focused on benefiting students, employers, and the growing bioeconomy. As we always say, MBM has been designed with industry, for industry.

Here's how we respond directly to your needs:

- **Unprecedented Interdisciplinarity:** As employer partners, you have emphasized your need for talent that integrates biotechnology with business acumen. We delivered! Our Master's candidates complete a management diploma ("mini-MBA") alongside their graduate biotechnology curriculum.
- **Industry-Centered Curriculum:** Your priorities have shaped our curriculum, ensuring our graduates are equipped with the competencies you value. Even further, to sustain this alignment, we are eager to continue the conversation through our advisory board, subject-matter-expert guests, or individual consultations.
- **Flexible Internships:** We understand that flexibility matters. You choose the duration of internships to suit your organization's needs, and we will work with your preference.
- **Dedicated Focus During Internships:** To ensure our interns deliver their best work, we've eliminated almost all coursework during their work terms (1 course exception).
- **Seamless Transition to Employment:** We also want to maximize your return on investment. Our internships are strategically placed at the end of the degree, so that our graduates are ready to transition directly into permanent roles, should you desire to retain them.
- **Wage Subsidies:** In many cases, internship wages are eligible for up to \$7,000 per term or \$21,000 funding per year.

With an approach that aligns your needs with those of our trainees, York University is committed to bridging the biotechnology labour gap—one highly-skilled graduate at a time.

In fact, this commitment comes to life through our inaugural cohort of MBM students. We are excited to present you with their résumés here. These passionate, hard-working, and well-trained individuals are eager to contribute to your organization. They will be ready for full-time internships starting May 2026.

Contact our Co-op & Career Centre team at hiremarkham@yorku.ca to discuss the hiring process.

It is our goal and absolute pleasure to support your organization's growth and success, and in turn our bioeconomy.

Your success is our success,



A blue ink signature of Jade Atallah, PhD, written in a cursive style.



A blue ink signature of Luz A. Puentes Jácome, PhD, written in a cursive style.

Jade Atallah, PhD

Graduate Program Director | Master of Biotechnology Management Assistant Professor Teaching Stream | Faculty of Science | Biology, York University, Markham Campus

Luz A. Puentes Jácome, PhD

Assistant Professor Teaching Stream | Faculty of Science | Biology, York University, Markham Campus

MBM Program Overview

The Master of Biotechnology Management is a 20-month course-based professional graduate program combining practical interdisciplinary training in Biotechnology and Management, designed for students who hold a Bachelor of Science degree in Biology, Biological Sciences, Biotechnology, Life Science, or related discipline.

Biotechnology represents one of Canada's fastest-growing high-tech areas, whose contribution to the well-being of Canadians has come to the forefront in the context of the COVID-19 pandemic. The MBM program trains our students to become leaders in this exciting and emerging field.

The program is structured to develop knowledge and skills in biotechnology and management during the first two semesters, and then extend students' knowledge and understanding through an internship and an experiential capstone experience in their final three semesters. The course load in semesters 3-5 are kept to a minimum so that students can focus on their paid internships and build interactions with industry and potential employers.

Students who complete this program are awarded two credentials upon completion of the program requirements: a Master's in Biotechnology Management and a Graduate Diploma in Management.

Overall, the main objectives of the Master's in Biotechnology Management are to provide students with insight into the latest biotechnology theories, discoveries, and laboratory techniques, while also developing managerial competencies and a practical foundation in the biotechnology industry.

Master of Biotechnology Management



Graduate Courses in Biotechnology

5 courses x 3.0 credits

Biotech/Management Capstone

3.0 credits

Graduate Courses in Management

8 courses x 1.5 credits

Internship

Up to 12 months



MBM Courses

Biotechnology Courses

BIOT 5010 Introduction to Biotechnology Practices

Provides students with a theoretical background and working knowledge of the field of biotechnology. Students will learn fundamental theories of biotechnology science, latest discoveries, and biotechnology processes. The course will also examine the context of traditional versus modern biotechnology processes, and survey the scientific, ethical, and social considerations in these contexts.

BIOT 5020 Science Communication and Writing

Designed to give students the opportunity to develop their science communication and writing. Students learn to write articles and reports for science audiences and general audiences, deliver effective oral presentations and communicate science using online platforms. One of the objectives of the course is to prepare students to successfully interview, secure and complete their paid internships in biotechnology.

BIOT 5040 Laboratory Skills in Biotechnology

Focuses on the latest laboratory techniques in biotechnology. The main objective of the course is to develop students' skills in practical laboratory skills, experimental procedures, and analysis in biotechnology.

BIOT 5050 Data Analysis, Product Development and Commercialization in Biotechnology

Offers a dual purpose. The first part of the course will provide a comprehensive introduction to the software tools and methods for analyzing biotechnology data, with an emphasis on statistical reasoning and critical interpretations of statistical information in the biotechnology industry. The second part of the course will provide training on biopharma product development and commercialization.

BIOT 5030 Research and Development in Biotechnology

Introduces students to research and development practices in the Canadian biotechnology industry. Emphasis is placed on the biotechnology drug and development process, standard operating procedures, regulations, clinical trials, packaging and labeling, and good manufacturing practices to prepare students to secure and complete their paid internships in biotechnology.

BIOT 5000 Capstone Experience

Represents the capstone course in the Master's in Biotechnology Management program. Students will look back and synthesize their academic learning throughout the Master's in Biotechnology Management program, to transform these skills for future contexts. Students form communities of learning to investigate real issues affecting the success of biotechnology organizations through case study management. Students will face complex business situations in biotechnology, draw upon their understanding of the functional areas of business, general management, and biotechnology to identify and assess alternatives, and provide recommendations to management in a consultative capacity.

MBM Courses

Business Management Courses

DMGM 5010 Organizational Theory and Strategic Management

Designed to expose students to a macro-perspective on organizations and many facets of organizing and strategy that contribute to varied organizational performance.

DMGM 5070 Organizational Behaviour

Designed to expose students to a micro-perspective on organizations and provide them with good understanding of factors influencing individual and group behaviour and performance in organizations.

DMGM 5030 Manufacturing and Service Operations Management

We review classic qualitative and quantitative models in manufacturing and service operations management.

DMGM 5050 Management Information Systems

Overview of the main information systems used by organizations and how they can be managed.

DMGM 5040 Financial and Management Accounting

Two distinct foundations of accounting exist: financial accounting and managerial accounting. Both have a unique purpose and perspective. Financial accounting serves to create organizational information that can be used to evaluate the financial performance of the organization, namely by those external to the organization. Managerial accounting, as the name implies, is the creation of accounting information for internal managerial decision-making. Managerial accounting borrows from managerial finance and provides managers with finance tools that assist in decision-making.

DMGM 5080 Law and Corporate Governance

Explores the legal environment of corporate governance, including the duties and liabilities of directors and officers; audit committee requirements and financial reporting; compensation committee requirements and reporting; governance rules and guidelines; shareholder rights and remedies, as well as international issues.

DMGM 5060 Introduction to Financial Management

Serves as an integral module of the Graduate Diploma in Management program and provides a condensed introduction to basic financial management within an organization.

DMGM 5020 Principles of Marketing Management

Offers an integral module of the Graduate Diploma in Management program and provides a condensed introduction into basic marketing functions within an organization.



Optional Courses for Students Interested in the Public Sector

DMGM 5120 Canadian Administrative Law and Public Sector Ethics

The purpose of this course is to introduce students to some of the fundamental principles of public law in Canada, including administrative law and court challenges to public policies and administration, and to provide students with an understanding of critical topics in public sector ethics and accountability.

DMGM 5110 Fundamentals of Public Sector Management

Designed to introduce students to fundamental principles of public sector management with a particular emphasis on the Canadian context.



MBM Internship

MBM students participate in two developmental paid internships that may take place with the same employer (up to 12 months in total) or with two different employers (4 months and 8 months). During the first 4 months, students are expected to gain relevant work experience in the biotechnology sector, while during the following 8 months students are expected to solidify their analytical and professional capacity skills and commitment to the biotechnology sector. During the internships, students are supported by a Faculty Liaison as an external supervisor and an Industry Supervisor in the workplace.

Process of Hiring an MBM Student

- 1. Develop Job Description**
Timeline: September - December 2025
- 2. Share Job Description to Post on Job Board**
Timeline: Early January 2026
- 3. Pre-Screen Résumés & Coordinate Interviews**
Timeline: February - March 2026
- 4. Select Candidate & Confirm Hire**
Timeline: April - May 2026



Internship Timeline

| Year | Fall (September-December) | Winter (January-April) | Summer (May-August) |
|------|------------------------------|---------------------------|------------------------|
| 1 | Study Term 1 | Study Term 2 | Internship A |
| 2 | Internship A/B + Capstone | Internship A/B | |

Examples Of Internships

- Research and Development Intern
- Clinical Trials Intern
- Laboratory Research Intern
- Manufacturing and Service Operations Intern
- Commercial Operations Intern
- Food Safety and Quality Control Intern
- Regulatory Affairs Intern
- Medical Affairs Intern
- Grant Writing/Technical Writing Intern
- Project Management Intern
- Public Health Researcher
- Science Policy and Advocacy Associate
- Data Analysis and Reporting Associate
- Market Analysis Intern
- Market Access and Pricing Intern
- Post-market Surveillance Specialist
- Global Health Initiatives Intern
- Other (based on your company's hiring needs)

MBM Internship

Salary Guidelines & Wage Subsidy

MBM program participants typically receive compensation for their work placements, with hourly rates usually starting from \$27. Benefits, vacation, and access to the company's programs are at the discretion of the employer. Employers may consider applying for funding programs through the SWPP program, Mitacs, and the Co-operative Education Tax Credit. Our team will be happy to guide you through these opportunities to better understand the ones that best align with your organization and needs.

Useful Links

- [SWPP](#)
- [Mitacs Accelerate Program](#)
- [Mitacs Business Strategy Internship](#)
- [Co-operative Education Tax Credit](#)

Why Hire a YorkU MBM Student?

| | | |
|--|---|---|
|  Elevating interdisciplinary to new height |  A curriculum designed with industry for industry |  Intensive professional development |
|  Employer-centered internship structure |  Seamless study to work transition |  Government funding |

The Master of Biotechnology Management (MBM) program has been designed to provide your organization with cost-effective access to highly skilled professionals who bridge biotechnology and business.



STUDENTS' INTERESTS

- Agri-bio
- Bio-health
- Bio-industrial
- Distribution and Logistics
- Information Technology
- Legal and Regulatory Affairs
- Management, Finance and Administration
- Manufacturing and Production
- Marketing, Business Development and Sales
- Research and Development



Student Résumés



Alexa S.

PROFESSIONAL SUMMARY

Graduate student in the Master of Biotechnology Management program at York University, pursuing a concurrent Graduate Diploma in Management. Combines a strong technical foundation from an Honours B.Sc. in Synthetic Biology with emerging business and leadership expertise. Brings hands-on experience with molecular biology techniques and excels in collaborative, fast-paced environments requiring precision and critical thinking. Eager to leverage both scientific and management skills to contribute to innovative biotechnology projects and organizational growth.

AREAS OF EXPERTISE

| | | | |
|---------------------|-----------------------|-------------------------|-----------------|
| ✓ MS Office Suite | ✓ Presentation Skills | ✓ Bioinformatic Tools | ✓ Data Analysis |
| ✓ Molecular Biology | ✓ Project Management | ✓ Yeast Modular Cloning | ✓ R-Studio |

EDUCATION

Master of Biotechnology Management Expected Graduation June 2027 (Eligible for work May 2026)
York University, Markham, Ontario

Relevant Courses:

- **Science Communication & Writing:** Developed skills in writing, presenting, and communicating complex biotech concepts to scientific and general audiences.
- **Research & Development in Biotechnology (Expected April 2026):** Will gain hands-on understanding of biotech R&D, regulatory frameworks, and standard industry practices.
- **Data Analysis & Product Development (Expected April 2026):** Will develop expertise in analyzing biotech data and guiding product development and commercialization strategies.

Graduate Diploma in Management

Expected Graduation April 2026

York University, Markham, Ontario

Relevant Courses:

- **Manufacturing and Service Operations Management:** Developed understanding of supply chain operations, process optimization, and decision-making strategies to improve efficiency and alignment in biotech and organizational contexts.
- **Principles of Marketing Management (Expected April 2026):** Will build skills in market analysis, product positioning, and commercialization relevant to biotech products.

Bachelor of Science - Honors Specialization in Synthetic Biology

Graduated June 2025

Western University, London, Ontario

Relevant Courses:

- **Project Management:** Built skills in planning, scheduling, resource allocation, risk assessment, team coordination, and applying Agile and traditional project management methods.
- **Genomics and Beyond Laboratory:** Applied molecular biology techniques (PCR, cloning, yeast culture) and analyzed genomic data with reproducible reporting.
- **Biochemistry Laboratory:** Hands-on experience in biochemical and molecular techniques (gel electrophoresis, spectrometry, DNA purification, column chromatography) while developing problem-solving and scientific communication skills.

AWARDS & FUNDING

Co-operative Education and Work-Integrated Learning Canada (CEWIL Canada) Fund
Dean's Honour List, Faculty of Science, Western University

2025
2023-2024, 2024-2025

Alexa S.

RELEVANT EXPERIENCE

Student Project Associate

September 2025 – Present

3W Healthcare – CEWIL Canada – York University

Toronto, Ontario

Collaborating on the development of a smart first aid kit for commercial and industrial use, focusing on market analysis, regulatory compliance, and business case development. Engaging in cross-functional teamwork to identify challenges, optimize design, and propose actionable solutions.

- Collaborating in a 5-member team with an industry partner to develop a smart first aid kit designed for commercial and industrial use, aimed at reducing compliance risks and lowering maintenance costs.
- Conducting competitor and market analysis to evaluate existing smart inventory systems and identify adoption barriers, with the goal of positioning the product for commercial success.
- Researching healthcare, workplace safety, and privacy regulations to translate compliance frameworks into actionable product design requirements.
- Supporting development of a requirements document, cost-savings model, and ROI framework to quantify the kit's impact on reducing inventory waste, minimizing downtime, and lowering liability risks.

Undergraduate Synthetic Biology Thesis

September 2024 – April 2025

Western University

London, Ontario

Collaborated in a team to engineer yeast biosensors by designing, assembling, and validating multi-transcriptional unit plasmids. Managed experimental planning, data analysis, and troubleshooting to optimize reporter assays.

- Designed, assembled, and validated 5 multi-transcriptional unit plasmids using Golden Gate cloning, confirmed via sequencing and restriction digest to ensure accurate assembly and enable modular testing.
- Conducted two rounds of NanoLuc luminescence assays and optimized detection conditions, achieving clear reporter expression with improved assay sensitivity and reproducibility.
- Designed and executed CRISPR-Cas9 knockout of STE2 in *S. cerevisiae* using HIS3 donor DNA and gRNAs, supporting the development of a more specific biosensor platform.
- Documented experimental protocols, assay results, and troubleshooting strategies in a collaborative report, ensuring reproducibility and clear communication across project teams.

Sales Associate

May 2024 – August 2025

Garage Clothing

Ottawa and London, Ontario

Delivered personalized customer service in a fast-paced retail environment, guiding clients in styling choices and promoting products to meet sales goals. Contributed to maintaining brand standards through teamwork, organization, and strong communication skills.

- Partnered with team members to exceed daily sales targets, demonstrated strong collaboration, persuasive communication, and product knowledge that translated into measurable business outcomes.
- Supported inventory management and merchandising of 100+ products per shift, creating organized, visually appealing displays that boosted customer engagement and improved operational efficiency.
- Delivered personalized styling advice to 20+ customers per shift, encouraging and maintaining loyalty program sign-up targets of 80%, and honing client-facing communication skills.
- Processed 50+ transactions per shift while troubleshooting errors in real-time and ensuring smooth operations.

PROFESSIONAL DEVELOPMENT

- 2025 Ideas to Action Life Science Forum, Accelerating Competitiveness: Reimagining Ontario's Life Sciences in a Changing World | Life Science Ontario | Toronto, Canada | Conference
- 2025 Decolonizing, Equity, Diversity and Inclusion Self-Reflection Toolkit | York University | Course
- 2025 BioReady Certification – Essential Skills Fundamentals | BioTalent Canada | Online Certification
- 2025 BioReady Certification – Technical Skills Fundamentals | BioTalent Canada | Online Certification
- 2025 Understanding Confidentiality and Nondisclosure Agreements | LinkedIn Learning | Online Course

PROFESSIONAL SUMMARY

Dedicated Master of Biotechnology Management student with extensive laboratory experience and strong skills in data analysis, statistical modeling, and manuscript writing. Recognized for reliability, attention to detail, and the ability to integrate scientific and analytical skills to solve complex problems. Experienced in managing complex research projects, collaborating within multidisciplinary teams, and upholding ethical and compliance standards.

AREAS OF EXPERTISE

| | | | |
|--------------------|---|-----------------------|---------------------------|
| ✓ Communication | ✓ Critical Thinking | ✓ Manuscript Writing | ✓ Literature Reviews |
| ✓ Spectrometry | ✓ Leadership | ✓ Laboratory Analysis | ✓ Experimental Procedures |
| ✓ Animal Husbandry | ✓ Statistical/Data Analysis (SPS, STATA, RStudio) | ✓ Microsoft Studios | ✓ Teamwork |

EDUCATION

Master of Biotechnology Management Expected Graduation June 2027 (Eligible for work May 2026)

York University, Markham, Ontario

Relevant Courses:

GS/BIOT 5020 A - Science Communication and Writing

GS/BIOT 5010 A - Introduction to Biotechnology Practices

GS/BIOT 5040 M - Laboratory Skills in Biotechnology

Graduate Diploma in Management

Expected Graduation April 2026

York University, Markham, Ontario

Bachelor of Science Honours- Major Zoology

Graduation August 2024

University of Guelph, Guelph, Ontario

AWARDS & FUNDING

Co-operative Education and Work-Integrated Learning Canada (CEWIL Canada) Grant (curricular WIL experience) 2025

Natural Sciences and Engineering Research Council of Canada -Undergraduate Student Research Award (USRA) 2024

PROFESSIONAL EXPERIENCE

Animal Behaviour and Welfare Research

May 2023 – August 2024

Ontario Veterinary College

Guelph, Ontario

Conducted behavioral research on multiple animal species, progressing from video analysis to precise data collection, statistical modeling, manuscript preparation, and science communication.

- Assisted in the production of a peer-reviewed manuscript on competitive nursing behavior in foxes, contributing to experimental design, data analysis, and interpretation.
- Applied the scientific method throughout all research stages—including data collection, statistical analysis, and manuscript writing—producing results that were acknowledged in multiple research manuscripts.
- Analyzed behavioral data in Microsoft Excel and STATA, running mixed-logistic regression models to identify significant behavioral predictors, which contributed to peer-reviewed publications.

Ali S.

- Scored 100+ videos using BORIS behavioral analysis software, ensuring precise and consistent identification of targeted behaviors, resulting in a high-quality dataset for statistical modeling.
- Collaborated on a knowledge mobilization project by creating science-based infographics for veterinary clinics, increasing accessibility of feline behavioral research and enhancing communication between veterinarians and pet owners.

Laboratory and Animal Care Assistant University of Guelph

May 2021 – April 2023
Guelph, Ontario

Supported aquatic research by ensuring optimal animal care, performing experimental procedures, and maintaining compliance with safety standards. Contributed to laboratory efficiency through data collection, behavioral testing, and training of student volunteers.

- Performed routine health checks and kept detailed husbandry logs, enabling early detection of health concerns and improving overall animal welfare.
- Conducted key laboratory tests (pH, ammonia, nitrate, nitrite, salinity, oxygen) to monitor environmental conditions, enhancing research accuracy and ensuring optimal conditions for successful experiments.
- Performed advanced laboratory procedures, including drug administration, blood work, and pit-tagging, following ethical guidelines and safety regulations.
- Maintained up-to-date records and logs in compliance with WHMIS, biosafety standards, and animal use protocols, ensuring full adherence to university and regulatory policies, which resulted in zero compliance violations.

Data Analyst University of Guelph

May 2022– August 2022
Guelph, Ontario

Assisted in a behavioral research project as a data analyst, running statistical tests to identify relationships between variables. Managed and organized datasets to ensure accuracy and conducted literature reviews to support data interpretation.

- Utilized IBM SPSS to categorize behavioral data and run statistical tests, including Spearman correlations, identifying relationships between target variables.
- Managed and organized data across spreadsheets, databases, and collaborative platforms (e.g., Dropbox), ensuring accuracy, consistency, and accessibility for the research team.
- Collaborated with team members and worked independently to compile findings, contributing to data interpretation and manuscript preparation.
- Utilized RStudio to perform ANOVA tests, identifying correlations between target behaviors to support research.

PROFESSIONAL DEVELOPMENT

- **BioTalent Canada BioReady Certification (Expected April 2026)**
Completed Modules on Numeracy Fundamentals, Writing Fundamentals, Communication Fundamentals (Sept 2025)
- **TCPS 2: CORE-2022 (Course on Research Ethics)**
Government of Canada, (Issued May 2023)
- **Animal User Training - Core A (Cohort 83)**
University of Guelph, (Issued May 2021)

Arwa F.

PROFESSIONAL SUMMARY

Driven first-year Master of Biotechnology Management student with a background in health sciences, biomedical communications, and data analysis. Experienced in diagnostic testing and international collaboration, with strong skills in project management, stakeholder engagement, and problem-solving. Eager to apply scientific knowledge and organizational abilities to contribute to innovation in biotechnology.

AREAS OF EXPERTISE

| | | | |
|-------------------------|-------------------------|----------------------------|----------------------|
| ✓ Partner Engagement | ✓ Experimental design | ✓ Project management | ✓ Microsoft Excel |
| ✓ Diagnostic testing | ✓ Research methods | ✓ Grant coordination | ✓ Scientific writing |
| ✓ Coding (R, HTML, CSS) | ✓ Laboratory Techniques | ✓ Financial Administration | ✓ Data analysis |

EDUCATION

Master of Biotechnology Management Expected Graduation Jun 2027 (Eligible for work May 2026)

York University, Markham, ON

Relevant Courses:

Research & Development in Biotechnology: Analyzed drug development processes, regulatory compliance, clinical trial design, good manufacturing practices and industry standards to increase expertise in biotechnology.

Data Analysis for Biotechnology: Developed skills in statistical analysis and interpretation of biotechnology data.

Laboratory Skills in Biotechnology: Gained hands-on experience in experimental design, lab techniques, and scientific communication.

Graduate Diploma in Management Expected Graduation Apr 2026

York University, Markham, ON

Honours Bachelor of Science Jun 2023

University of Toronto, Mississauga, ON

- Graduated with High Distinction; Dean's List Scholar (2021-2023)
- Major: Biology for Health Sciences; Minors in Biomedical Communications and Anthropology

AWARDS & FUNDING

Co-operative Education and Work-Integrated Learning Canada (CEWIL Canada) Grant 2025

Ontario Graduate Scholarship and Queen Elizabeth II Graduate Scholarship in Science and Technology 2025

RELEVANT EXPERIENCE

Work-Integrated Learning (WIL) Project Associate Sept 2025 – Present

Eversana & York University Markham, ON

Developing a pharmaceutical market access and reimbursement strategy for a biotechnology product.

- Conducting landscape analysis, unmet need assessment, clinical evidence evaluation, and budget impact modelling to generate insights that inform value pitch development for public payers.
- Collaborating with a cross-cohort team and Eversana's Division Head of Market Access & Pricing to define project scope and align deliverables, gaining practical exposure to Canadian pharmaceutical pricing and reimbursement frameworks.

Operations & Administrative Coordinator Sept 2023 – Present

Global Alliance for Genomics and Health (GA4GH) Toronto, ON

Supporting international initiatives advancing genomics research and data-sharing standards through operations, partner engagement, financial management and cross-functional coordination.

Arwa F.

- Served as Interim Partner Engagement Manager for the Communities of Interest (Clinical Genomics Laboratory, Rare Disease and Cancer) and the GA4GH Implementation Forum. Facilitated webinars and meetings to align global stakeholders, strengthening collaboration and advancing adoption of genomics standards.
- Planning and delivering international scientific conferences in Melbourne, Boston, and Uppsala, by managing logistics, coordinating sessions and resolving technical issues, ensuring seamless participation for 300+ global researchers.
- Streamlining financial processes by managing monthly expenses, preparing expense reports, and supporting grant applications to ensure accurate budgets and contribute to successful funding renewals.
- Administering project management tools (Asana, HubSpot, Attio, Slack, etc.) to improve operational efficiency.

Events Assistant

Aug 2022 – Apr 2023

University of Toronto Mississauga (UTM), Centre for Student Engagement

Mississauga, ON

Planned, organized, and executed student-focused events to foster campus involvement and support academic success.

- Coordinated logistics for Open House, Orientation, and Faculty Engagement events by working closely with professors, departments, resulting in well-organized events that enhanced student participation.
- Represented UTM at events by tabling and speaking with prospective students and families, answering questions and promoting campus services to strengthen awareness of on campus opportunities.
- Organized Exam Jam program, partnering with faculty to deliver exam review study sessions, wellness activities, and academic support for thousands of students.

Veterinary Assistant

Oct 2020 – Oct 2021

South Barrie Animal Hospital

Barrie, ON

Supported staff with clinical, laboratory, and administrative tasks to ensure high-quality patient care and smooth hospital operations.

- Prepared and processed blood, fecal, and SNAP test samples; operated diagnostic equipment and accurately recorded results.
- Conducted ear cytology to detect bacteria, leukocytes, yeast, and mites, helping guide treatment plans for common illnesses and parasites.
- Engaged with pharmaceutical representatives to learn about new and updated medications, enabling clear communication of drug information and improved client understanding of treatment options.
- Ordered, sorted, and maintained inventory of veterinary medications and prescription diets, ensuring availability of treatments and strengthening knowledge of veterinary pharmaceuticals.

PROFESSIONAL DEVELOPMENT

- Speaker, Global Engagement Strategy Session, April Connect 2025, GA4GH | Boston, USA | Conference
- 2025 Market Access in the Canadian Biotechnology Landscape by Lindy Forte, Eversana | York University
- 2025 Ideas to Action Life Science Forum, Accelerating Competitiveness: Reimagining Ontario's Life Sciences in a Changing World | Life Science Ontario | Toronto, Canada | Conference

VOLUNTEER CONTRIBUTIONS

Event Coordinator, Ontario Institute for Cancer Research (OICR)

Nov 2024 – Mar 2025

- Assisted in the planning and on-site support for the "International Day of Women in STEM" networking event, which encouraged OICR employees to connect and discuss workplace issues affecting women.

Graphic Designer, Canadian Pakistani Veterinary Association (CPVA)

Feb 2022 – Dec 2024

- Designed logos and signage for CPVA's annual banquets, ensuring a cohesive and professional visual identity.

Design Associate, Champions of Change

Jun 2021 – Apr 2022

- Designed promotional graphics to raise money for initiatives such as Backpack for Kids, Pink Untaxed and the Bolivia project, which helped adolescents gain access and resources to better health and water sanitation.

Avneet B.

PROFESSIONAL SUMMARY

Diligent and results-driven Masters of Biotechnology Management student with 3+ years of healthcare and clinical data experience, supported by a strong science foundation in Psychology, Biology, and Chemistry. Skilled at analyzing clinical data, streamlining workflows, and ensuring regulatory adherence in high pressure environments. Committed to bridging biotechnology and healthcare by supporting drug process understanding, patient outcomes, and market access initiatives. Multilingual and collaborative, with proven leadership in team training, problem solving, and cross-functional coordination.

AREAS OF EXPERTISE

Training & Development | Research Analysis | VBA | Microsoft Office Suite | EMR Systems | Laboratory Techniques |
Multilingual: English, Punjabi, Hindi | Regulatory Compliance | Market access & Strategy

EDUCATION

Master of Biotechnology Management Expected Graduation June 2027 (Eligible for work May 2026)
York University, Markham, Ontario

Relevant Courses:

Biotechnology Coursework: *R&D in Biotechnology, Lab skills in Biotech, Biotech Practices*

Management Coursework: *Principles of Marketing Management, Management Information Systems, Organizational theory & Strategic Management*

Graduate Diploma in Management Expected Graduation April 2026
York University, Markham, Ontario

Honours Bachelor of Science, Psychology (Minor: Biology, Chemistry) with Co-operative Education 2017-2022
Dean's List, Entrance Scholarship \$1000
Wilfrid Laurier University, Waterloo, ON

AWARDS & FUNDING

Co-operative Education and Work-Integrated Learning Canada (CEWIL Canada) Grant 2025

PROFESSIONAL EXPERIENCE

Sr. Data Delivery Specialist, Team Lead 02/2024 – 08/2025
MedChart Toronto, ON

- Directed cross-functional collaboration to achieve revenue targets by identifying product gaps and delivering targeted training initiatives, increasing operational efficiency and product adoption across client accounts
- Conducted assessments on medical record submissions to ensure compliance with state guidelines, reducing processing errors and maintaining regulatory adherence
- Resolved complex client, provider, and patient inquiries by analyzing case specific issues and tailoring solutions such as record retrieval, workflow optimization, and support, improving client satisfaction and services

Physician Navigator 02/2023 – 04/2024
William Osler Health System Brampton/Etobicoke, ON

- Educated patients on medical procedures, diagnoses, and treatment plans to support informed decision-making, enhancing patient engagement and trust in clinical settings

Avneet B.

- Monitored lab results in real-time within a high-volume emergency department and acted as a liaison between physicians, nurses, and patients, facilitating timely interventions and enabling data driven care coordination
- Supported physicians in developing patient care plans, procedural needs, and medical documentation, optimizing workflow efficiency and patient safety outcomes
- Observed and assisted in pharmacological workflows, gaining hands on exposure to drug administration, therapeutic pathways, and clinical applications in patient care

Board of Directors Member

09/2021 – 06/2022

The Association of Campus Emergency Response Teams

Waterloo, ON

- Facilitated strategic meetings with national response teams to define long-term goals for emergency preparedness, optimizing resource allocation and improved compliance standards

COVID-19 Case & Contact Management

05/2021 – 08/2021

Region of Waterloo

Waterloo, ON

- Compiled comprehensive profiles of COVID-19 positive cases, analyzed and correlated them with close contacts, supporting timely public health interventions and reducing risk of community transmission
- Managed high volumes of emails for vaccine administration and scheduling, ensuring efficient coordination that reduced delays and improved patient access to vaccines
- Organized vaccine clinic logistics and led a team by delegating tasks while monitoring COVID-19 case trends, ensuring smooth operations and timely community response

Reservation Supervisor

04/2019 – 10/2019

Airline Limousine

Woodbridge, ON

- Delivered exemplary customer service in a high-pressure environment by managing a high volume of inquiries from airline clientele demonstrating adaptability and problem-solving skills that enhanced client satisfaction
- Prepared detailed reports and recommended corrective measures, administrative controls, and disciplinary actions, contributing to stronger operational compliance

PROFESSIONAL DEVELOPMENT

- **Bio Talent Fundamentals:** Essential skills fundamentals, Technical skills fundamentals
- **First Responder & CPR (BLS)**
- **Mental Health First Aid**
- **Indigenous Canada**, *Online course at the University of Alberta*
- **Understanding Confidentiality and Nondisclosure Agreements**, *LinkedIn course*
- **Nano Tips for Effective Collaboration**, *LinkedIn course*

VOLUNTEER CONTRIBUTIONS

- **Research Assistant**, Castroverde Research Lab, Wilfrid Laurier University
- **Emergency Response Team Coordinator**, Wilfrid Laurier University
- **Emergency Department Volunteer**, Etobicoke General Hospital
- **Paediatrics Department Volunteer**, Etobicoke General Hospital
- **Pharmacist Shadowing**, Shoppers Drug Mart
- **Fitness Instructor**, Waterloo Heights Seniors Apartments
- **Laurier Believe 4 Kids Coordinator**, Wilfrid Laurier University

Elika M.

PROFESSIONAL SUMMARY

Motivated biotechnology professional pursuing a Master's in Biotechnology Management with strong experience in biology, AI, and cloud-based digital health. Skilled in molecular biology techniques, data analysis, and regulatory compliance, with hands-on project experience designing RNA-seq pipelines, building secure cloud infrastructure, and integrating AI into educational and clinical contexts. Adept at translating complex science into actionable insights through research, communication, and applied innovation. Passionate about leveraging biotechnology and AI to advance healthcare and improve patient outcomes.

AREAS OF EXPERTISE

- | | | | |
|----------------------------|-------------------------|-------------------------|-------------------|
| ✓ RNA-seq Data Analysis | ✓ Regulatory Compliance | ✓ Lab Techniques | ✓ Data Compliance |
| ✓ Bioinformatics Pipelines | ✓ Commercialization | ✓ Leadership | ✓ Python & R |
| ✓ Financial Management | ✓ Regulatory Compliance | ✓ Science Communication | ✓ Cloud Computing |

EDUCATION

Master of Biotechnology Management

York University, Markham, Ontario

Expected Graduation May 2027

Eligible for Work May 2026

Relevant Courses:

Capstone Experience (OncoSage, Copoly.ai): Experience designing and implementing a scalable AI-powered diagnostic platform.

Data Analysis & Commercialization: Skilled in analyzing experimental data and translating findings into product strategies.

Research & Development in Biotechnology: Understanding of lab workflows, design, and R&D processes.

Graduate Diploma in Management

York University, Markham, Ontario

Expected April 2026

Bachelor of Biology with Honors

York University, Toronto, Ontario

Graduation June 2025

AWARDS & FUNDING

Co-operative Education and Work-Integrated Learning Canada (CEWIL Canada) Fund

2025

PROFESSIONAL EXPERIENCE

Capstone Project Consultant

Copoly.ai

September 2025 – December 2025

Toronto, ON

- Developed a secure, scalable cloud infrastructure on Google Cloud Platform for an AI-based early cancer detection platform, addressing the need for production-ready deployment.
- Automated end-to-end RNA-seq diagnostic workflows from raw sequencing files to AI-based reports, improving pipeline efficiency and reproducibility.
- Containerized AI models with Docker and implemented secure APIs, ensuring PHIPA-compliant handling of sensitive clinical data.
- Designed portal prototypes to enhance accessibility of diagnostic results and support clinical decision-making.

Learning Centre Coordinator

Academy for Mathematics and English

September 2023 – May 2025

Thornhill, ON

- Managed daily operations of the learning centre, including scheduling, resource allocation, and team coordination, improving operational efficiency.

Elika M.

- Supervised and guided tutors during shifts, ensuring smooth lesson execution and consistent teaching quality.
- Designed and implemented lesson plans in Biology, Math, and English, tailoring instruction to student needs and improving comprehension.
- Communicated with clients to provide progress updates and actionable feedback, strengthening client satisfaction and retention.

Urban Invasive Species Researcher York University

January 2024 – April 2024
Toronto, ON

- Analyzed 10+ years of iNaturalist data to study garlic mustard spread in urban ecosystems, identifying biodiversity trends.
- Applied statistical modeling and GIS visualization to assess ecological impact and support citizen science contributions.
- Synthesized findings into actionable insights for urban ecology research and outreach initiatives.

Biotechnology Workshop Designer & Facilitator Westmount Collegiate Institute

May 2023 – June 2023
Thornhill, ON

- Designed and led hands-on labs including PCR, DNA extraction, and bacterial cloning for Grade 12 students, aligning with curriculum standards.
- Translated complex molecular biology techniques into accessible experiments, improving student comprehension and engagement.
- Coordinated lab logistics and materials, ensuring smooth execution of interactive, educational activities.

VOLUNTEER CONTRIBUTIONS

Custom AI Agent for Biology Education Personal Project

September 2023 – December 2023
Toronto, ON

- Designed a ChatGPT-based AI agent to deliver adaptive biology instruction aligned with Ontario curriculum, improving learning accessibility.
- Piloted the AI with 50 students, refining instructional clarity and engagement through iterative feedback.
- Increased quiz performance by 15–20% based on pre/post intervention assessments, demonstrating measurable learning impact.
- Provided 24/7 biology support, reducing teacher prep time and promoting equitable access to STEM education.

Seminar Developer & Presenter: “AI in Academia” Langstaff Secondary School

December 2023
Richmond Hill, ON

- Developed and delivered a seminar on AI applications and ethics in science education for high school faculty and students.
- Engaged participants in discussions on generative AI, academic integrity, and educational technology, enhancing awareness and critical thinking.

PROFESSIONAL DEVELOPMENT

- **BioTalent Canada** September 2025
Essential Skills Fundamentals (Scientific communication, Collaboration, Problem-Solving)
- **Self-Directed Training** September 2025
Google Cloud Platform, Docker, Javascript, Python, SQL, GitHub
- **BioTalent Canada** March 2024
Technical Skills Fundamentals (GMP, GLP, GCP, QA/QC, Scientific Documentation)

Emma S.

PROFESSIONAL SUMMARY

Master's student in Biotechnology Management with a strong foundation from an Honours Bachelor of Science in computational and analytical biology. Experienced in using bioinformatics tools, applying artificial intelligence for biological data analysis, communicating scientific results, and collaborating on research projects. A highly driven individual, passionate about leveraging artificial intelligence to advance biotechnological innovation and improve healthcare efficiency and accessibility.

AREAS OF EXPERTISE

| | | | |
|------------------------|------------------------------------|----------------------------|----------------------------|
| ✓ Microsoft excel | ✓ Data analysis | ✓ Data profiling | ✓ Bioinformatics |
| ✓ R studio | ✓ Laboratory Techniques | ✓ Computational Biology | ✓ VBA |
| ✓ Strong Communication | ✓ Artificial Intelligence Research | ✓ High Attention to Detail | ✓ Strong leadership Skills |

EDUCATION

Masters of Biotechnology Management Expected Graduation June 2027 (Eligible for work May 2026)

York University, Markham, Ontario

Relevant Courses:

Science Communication and Writing: Developed skills in communicating scientific information to various audiences and enhancing professional writing and literature research skills.

Introduction to Biotechnology Practices: Enhanced understanding of biotechnology applications, including bioprocesses, molecular biology techniques, and assessing ethical issues.

Graduate Diploma in Management

Expected April 2026

York University, Markham, Ontario

Relevant Courses:

Management Information Systems: Applied information technology (IT) terminology to explain the benefits of business information management, risks with IT systems, and understand how organizations gain and sustain competitive advantage.

Bachelor of Science (Honours) in Biology

2025

Queen's University, Kingston, Ontario

Relevant Courses:

Selected Topics in Biotechnology: Explored various careers in the biotechnology industry and the qualifications associated with each.

Biostatistics and Analytical genomics: Gained proficiency in R Studio, Mega, K base, NCBI blast tools, Gprofiler.

Scientific Methods in Biology: Developed competency in good laboratory practices, conducted PCR and gel electrophoresis.

AWARDS & FUNDING

Co-operative Education and Work-Integrated Learning Canada (CEWIL Canada) Fund

2025

RELEVANT EXPERIENCE

Work Integrated Learning Project

September 2025(Ongoing)

York University X CURU Skin

Markham, Ontario

- Collaborating with a team of 10 students and the CURU Skin founder to research and design optimal processing formulations for new skincare products.

Emma S.

- Conducting literature reviews and analyzing raw material chemistry, compiling data and coordinating project plans through Microsoft Teams.
- Providing early insights into raw material feasibility and contributing to a prospective industry report with recommendations for optimal product processing.

Research Assistant (Volunteer)

November 2024 – May 2025

Queen's University

Kingston, Ontario

- Conducted computational biology research using AI and bioinformatics tools (BioCyc, AlphaFold, UniProt, KEGG) to generate protein structure predictions and functional analyses.
- Mapped metabolic pathways and enzyme complexes under different growth conditions, identifying activity shifts relevant to microbial engineering.
- Produced detailed analyses and reports on transcriptional networks, metabolic pathways, and protein activity relationships, delivered to the research supervisor as project deliverables supporting ongoing research.

Research Project (Course: Scientific Methods in Biology)

Jan 2024 – Apr 2024

Queen's University

Kingston, Ontario

- Collaborated with classmates to investigate CRISPR-mediated phage resistance.
- Performed PCR and gel electrophoresis to calculate BIM frequency, assessing the relationship between CRISPR loci alteration and phage resistance mechanisms.
- Analyzed targeted genomic regions using BLAST, confirming CRISPR-mediated phage resistance and delivering findings that contributed to class research project conclusions.

Donor Recruiter, Community Engagement

April 2022- July 2022

Heart and Stroke Foundation of New Brunswick

Saint John, New Brunswick

- Supported fundraising campaigns by cold calling prospective donors, following up with previous contributors, and assisting with event coordination.
- Maintained professional relationships with donors and volunteers, improving engagement and retention while contributing to campaign fundraising targets.
- Utilized Excel and other tools to track donor interactions, streamlining outreach efforts and strengthening organizational efficiency.

PROFESSIONAL DEVELOPMENT

- **BioTalent Fundamentals Modules**

Communication, Numeracy, Collaboration, Writing modules (September 2025)

- **Library Research Workshops**

Conquering Information Overload, Kickstart your research, (September 2025)

- **NDA confidentiality course**

(September 2025)

- **Life Science Ontario "Ideas to Action" Conference**

Attended talks on health innovation, healthcare system technology adoption, and stem cell therapies (September 2025)

Fatihah I.

PROFESSIONAL SUMMARY

Graduate student in Biotechnology Management with a foundation in biomedical science and professional experience in roles requiring accuracy, confidentiality, and clear communication. Experienced in supporting projects that map patient needs and highlight opportunities for clinical and wellness support, with an emphasis on compliance and sustainable practices. Adept at working effectively with others, managing details in fast-paced environments, and applying organizational and problem-solving strengths developed through front-facing roles. Currently advancing expertise in science communication and management systems to prepare for industry-focused opportunities in biotechnology and healthcare.

AREAS OF EXPERTISE

- | | | |
|--------------------------------------|------------------------|--|
| ✓ Customer Service & Patient Support | ✓ Compliance Awareness | ✓ Communication & Interpersonal Skills |
| ✓ Microsoft 365 proficiency | ✓ Team Collaboration | ✓ Time management & Multitasking |

EDUCATION

Master of Biotechnology Management Expected Graduation June 2027 (Eligible for full-time internship May 2026)
York University, Markham, Ontario

Relevant Courses:

- **Science Communication and Writing:** *Developing skills to write articles and reports for science and general audiences, deliver effective presentations, and communicate science across digital platforms.*

Graduate Diploma in Management
York University, Markham, Ontario

Expected Graduation April 2026

Relevant Courses:

- **Manufacturing and Service Operations Management:** *Studying qualitative and quantitative models in operations management, with hands-on training in Excel and related analytical tools.*
- **Management Information Systems:** *overview of the main information systems used by organizations and how they can be managed.*

Bachelor of Science (Honours), Biomedical Science
University of Guelph, Guelph, Ontario

October 2025

- *Dean's Honor List (6 consecutive semesters)*
- **Relevant Coursework:** *Biochemistry, Pharmacology, Principles of Disease.*

PROFESSIONAL EXPERIENCE

Receptionist and Office Assistant
York University, Academic Services

September 2025 – Present
Markham, Ontario

Providing front desk coverage and administrative support for Academic Services at York University's Markham Campus. Supporting students, staff, and faculty through reception services, clerical tasks, and event coordination.

- Respond to 20+ inquiries via email, phone, and in-person, escalating complex issues to ensure accurate guidance and timely service for students, staff, and faculty.
- Manage clerical tasks such as data entry, filing, processing 15+ expense claims and multiple student award applications weekly, while maintaining 100% accuracy in records to support academic operations.
- Assist with scheduling, 10+ room bookings weekly, and academic event coordination, helping departments deliver well-organized lectures, symposiums, and guest programs.

Fatihah I.

Patient Support Program Project

September 2025 – November 2025

York University x Alexion Pharmaceuticals

Markham, Ontario

Collaborating with the graduate capstone team and the Patient Experience Lead at Alexion Pharmaceuticals to analyze patient needs in rare disease therapy. The project explores the design, planning, and execution of sustainable patient support programs (PSPs).

- Developing a patient journey map that highlights opportunities for enhanced clinical, emotional, and mental health support.
- Benchmarking competitor PSP approaches and assessing financial feasibility to support long-term program sustainability.
- Integrating compliance considerations and alignment with existing resources to guide practical steps for program design and operationalization, ensuring recommendations align with regulatory standards.

Student Desk Clerk

August 2024 – April 2025

University of Guelph, Student Housing Services

Guelph, Ontario

First point of contact at the residence desk, providing information and services to students, staff, and visitors. Supported student housing operations through customer service, administrative tasks, and emergency response in a high-traffic, 24/7 environment.

- Delivered accurate and timely support by managing 50+ in-person, phone, and email inquiries weekly, directing residents and guests to appropriate campus and community resources.
- Oversaw daily desk operations including 20+ key sign-outs, 30+ mail deliveries, and logging 10+ maintenance work orders, ensuring accuracy and efficiency in residence services.
- Responded to 3+ urgent resident situations weekly (e.g. medical emergencies, security concerns) by following emergency protocols and dispatching on-call staff, ensuring each incident was resolved safely and in compliance with procedures.

VOLUNTEER CONTRIBUTIONS

Host Desk Attendant

April 2024 – July 2024

10c Shared Space

Guelph, Ontario

- Supported front desk operations by welcoming visitors, handling bookings, and processing payments to ensure efficient service.
- Maintained accurate records and responded to inquiries in a timely manner, creating a professional and accessible environment.

Youth Mental Health & Wellness Support

September 2024 – December 2024

The GROVE Hubs

Guelph, Ontario

- Assisted in coordinating youth programs and connecting participants (ages 12–26) with wellness resources and virtual care services.
- Helped deliver workshops and daily activities that promoted engagement and awareness around mental health.

Haeun J.

PROFESSIONAL SUMMARY

Master's student in Biotechnology Management with advanced research experience in molecular biology and protein biochemistry. Skilled in cloning, protein purification, and analyzing biophysical assays (ITC, NMR, fluorescence) to investigate protein interactions and disease mechanisms. Experienced in applying programming and digital tools (R, Python, Ubuntu, Excel) to analyze experimental data and support research outcomes. Motivated to contribute technical expertise and collaborative skills to innovative projects in the biotechnology industry.

AREAS OF EXPERTISE

- | | | | |
|------------|------------------|------------------------|-------------|
| ✓ R-Studio | ✓ Ubuntu | ✓ Protein Purification | ✓ Biosafety |
| ✓ LabChart | ✓ Python | ✓ Binding Assays | ✓ Korean |
| ✓ Excel | ✓ Bioinformatics | ✓ WHMIS II | |

EDUCATION

Master of Biotechnology Management Expected Graduation June 2027 (Eligible for work May 2026)
York University, Markham, Ontario

Relevant Courses:

BIOT 5020: Developing advanced science communication and writing skills for biotechnology, emphasizing industry, professional, and public engagement.

BIOT 5010: Exploring theoretical and practical biotechnology concepts, including cell growth, metabolism, synthetic biology, bioprocessing, and bioethics.

Graduate Diploma in Management Expected Graduation April 2026
York University, Markham, Ontario

Relevant Courses:

DMGM 5030: Gaining foundational knowledge in operations management, supply chain decision-making, and applied Excel/VBA for data analysis and process modeling

Bachelor of Science – Specialized Honors in Biotechnology Graduation June 2025
York University, Toronto, ON

Relevant Courses:

BIOL 4000: Conducted an independent thesis project “DETERMINING THE IMPACT OF STRUCTURAL MODIFICATIONS ON AIDA1B PTB-APP INTERACTION” to explore the structural and functional dynamics of AIDA1 protein isoforms and their connection to Alzheimer’s disease, achieving a grade of A.

BIOL 3095: Gained hands-on experience in bioinformatics by analyzing biological sequence data (DNA, RNA, proteins) using computational tools, Linux, and scripting in Bash, R, and Python, achieving a grade of A.

AWARDS & FUNDING

| | |
|---|-------------|
| Co-operative Education and Work-Integrated Learning Canada (CEWIL Canada) Grant (curricular WIL experience) | 2025 |
| Continuing Student Scholarship: Awarded to students with outstanding previous academic performance | 2020 |
| Student Life Award | 2019 |
| Member of the Dean’s Honor Roll | 2019 - 2024 |

PROFESSIONAL EXPERIENCE

CEWIL Work Integrated Project Sept. 2025 – Present
York University x CURU Skin Markham, ON

- Contribute to market analysis, competitive benchmarking, and consumer demand assessment to evaluate commercialization opportunities.
- Support the exploration of intellectual property strategies and identification of potential strategic partners for market entry.
- Assist in developing a commercialization roadmap including milestones, timelines, cost estimates, and risk considerations.

Executive, Academic Support Team Jan 2025 - Present
Korean Student Association at York University Toronto, ON

- Contributed to the Academic Support Team's mandate of improving student success and fostering community engagement within KSAY.
- Organized 3 major events (50–70 attendees) and 3 study sessions (10-20 participants each) for 100 members, enhancing academic support and community engagement.
- Collaborated with executives to plan initiatives and provide recommendations, improving programming effectiveness.

Freelance AI Comment Editor Dec. 2024 - Present
Outlier Remote

- Contributed to 200+ AI projects, improving Korean-language outputs' accuracy, relevance, and scientific quality.
- Reviewed and fact-checked 100+ scientific writings in biology, physics, and engineering to uphold editorial standards.
- Produced 50+ original Korean-language texts (short stories, articles, explanatory pieces) to enhance AI training datasets.

Honours Thesis Sept. 2024 – 2025 May
Dr. Donald's Lab North York, ON

- Cloned and expressed 3 AIDA1 protein isoforms (A65, A31, A32) and a positive control (PTB 5M) in *E. coli* using 6xHis-tagged constructs, achieving >90% purity via Ni-NTA affinity chromatography and FPLC.
- Conducted 3 fluorescence-based binding assays with Alzheimer's Precursor Protein (APP) and analyzed NMR spectra from AIDA1 isoforms, identifying structural features driving protein–protein interactions and inhibitory mechanisms.
- Discovered novel insights into the inhibitory mechanisms of AIDA1 isoforms, advancing understanding of their potential role in Alzheimer's disease pathogenesis.

Private Tutor May 2024 – Present

- Supported 15 students simultaneously preparing for CELPIP, IELTS, and academic subjects (Math, Physics, Chemistry, and English), addressing individual learning goals and diverse proficiency levels.
- Delivered ~20 one-on-one sessions per week, adapting teaching methods to different learning styles to strengthen fluency, vocabulary, and conversational English.
- Achieved measurable improvements, raising grades from 80s to 90s, while CELPIP students reached an average score of 7, by tracking progress and refining lesson plans.

PROFESSIONAL DEVELOPMENT

- 2024 Biosafety Certificate | York University | Toronto, Canada | Course
- 2025 BioTalent Certificate (Numeracy, Writing, Communication, and Collaboration Fundamentals) | Course

Hafiza Hamima P.

PROFESSIONAL SUMMARY

Biotechnology graduate student with expertise in microbiology, molecular methods, and project management, seeking to apply research and leadership skills to industry-focused roles in biotech. Skilled in executing wet-lab research, and complex data analysis, delivering results under tight deadlines. Bringing strong mix of technical knowledge, problem-solving and organizational skills. Passionate in advancing in the vast fields of Biotechnology and develop practical solutions for the industry.

AREAS OF EXPERTISE

| | | | |
|-----------------------|----------------------|--------------------|---------------------|
| ✓ Microbial Culturing | ✓ Scientific Writing | ✓ Microsoft Office | ✓ Laboratory Skills |
| ✓ R Studio (beginner) | ✓ Analytics | ✓ Communication | ✓ Problem-solving |
| ✓ Leadership | ✓ Collaboration | ✓ Teamwork | ✓ Organization |

EDUCATION

Masters of Biotechnology Management Expected Graduation June 2027 (Eligible for work May 2026)

York University, Markham, Ontario

Relevant Courses: *Laboratory Skills in Biotechnology, Research and Development in Biotechnology, Data Analysis, Product Development and Commercialization*

Graduate Diploma in Management Expected Graduation April 2026

York University, Markham, Ontario

Honours Bachelors of Science – Agriculture Plant Pathology July 2021

University of the Punjab, Lahore, Pakistan

AWARDS & FUNDING

| | |
|--|-----------|
| Co-operative Education and Work-Integrated Learning Canada (CEWIL Canada) Fund | 2025 |
| Punjab Educational Endowment Fund (PEEF)- Merit based | 2017-2019 |
| Prime Minister Laptop Scheme – Merit based | 2017 |

RELEVANT EXPERIENCE

Work-integrated Learning Project Consultant Sept 2025 – In Progress

CEWIL Project (York University-ADLI Logistics) Toronto, Ontario

- Contributing to a joint project by assisting senior team members in developing a plan to transition Life Sciences product into a compliant warehouse, keeping in check logistics planning, inventory transfer, and finances to ensure smooth market entry.

Food and Beverage Supervisor Sept 2025 – Current

Bayview Golf & Country Club Toronto, Ontario

- Supervising and motivating restaurant staff by leading pre-shift meetings, resolving conflicts, and providing guidance on work related issues, yielding improved service quality, and boost in team morale and overall productivity.
- Maintaining accurate employee records through employee performance, incidents, and operational activities, focusing on fair staff evaluation, and supporting smooth, and transparent operations.

RESEARCH PROJECTS

Undergraduate Researcher

University of the Punjab, Lahore, Pakistan

Feb 2020- Mar 2022

Hafiza Hamima P.

- Contributed to the research project entitled “*Use of Micronutrients and Biological Control Agents for Reducing the effect of Macrophomina phaseolina in Sunflower and their effect of Plant Metabolomics*” by assisting in in-lab and on-field experiments, utilizing wet-lab strategies for fungi and bacteria, and adhering to SOPs, and Good Laboratory Practices (GLP).
- Facilitated in data collection, and literature reviews while maintaining detailed experimental records via Excel by updating spreadsheets, and visualizing results through graphs, and tables, enhancing the basis of fungi-, and bacteria- based Agri-fungicides.

Mar 2021 – Dec 2022

- Participated in the research project entitled “*Isolation, Characterization and Management of Alternaria Leaf Blight of Turnip through Botanicals*” by assisting in plant extract preparation, fungal culturing, and applying food-poisoning methods, resulting in a published article in ‘Pakistan Journal of Phytopathology’.
- Assisted in molecular techniques such as PCR, and gel electrophoresis to analyze genetic make-up of pathogen, *Alternaria brassicicola*, gaining hands-on expertise in DNA-characterization, gaining insight in utilizing plant extracts for fungal control.

Mar 2021 – Jul 2021

- Led a personal research project titled “*Evaluation of Seed-Borne Mycofloral Association, Germination and Vigor of Commercial Varieties of Rice*”, assessing the impact of Plant Growth Promoting Rhizobacteria (PGPR) on seed quality traits such as germination, and vigor, and seedling characteristics like root, and shoot length, giving insight into improving rice seed performance.
- Isolated and identified seed-borne fungi using agar-media plates, and light microscopy, analyzing fungal colonies’ morphology and growth patterns to determine the effectiveness of PGPR in suppressing said fungi, resulting in environmental awareness to use PGPR-forward fungicides.

Jan 2018 – May 2019

- Collaborated on the research titled “*Seed Quality Evaluation with Respect to Vigor, Viability and Fungi Associated with Commercial Rice Germplasm*”, by analyzing seed germination, and vigor through Tetrazolium test, and assessing seed growth under different conditions (control, saline, and various soil-media), contributed to a published article in journal “*Mycopath*”.
- Assisted in identifying seed-associated fungi using morphological and spore characteristics using media plates, and light microscopy, further strengthening the study’s findings for the published article, enabling awareness on ‘using right soil media’ for rice crop.

PROFESSIONAL DEVELOPMENT

- **Think, Research, Create: Introduction to Library Research series** York University, 2025
- **BioTalent Technical Skills Fundamentals (GMP, GLP, GCP, QA/QC)** BioTalent Module, 2025
- **BioTalent Essential Skills (Numeracy Fundamentals, Communication Fundamentals, Collaboration Fundamentals)** BioTalent Module, 2025
- **Workplace Hazardous Materials Information System (WHIMS)** Canada Safety Training Centre, 2025
- **R in Agricultural Sciences** PlantMol., 2024

VOLUNTEER CONTRIBUTIONS

- Laboratory assistance with experiments, laboratory cleaning, and article writing** 2019-2022
University of the Punjab Lahore, Pakistan
- Sports Gala Organization at departmental level in BSc (hons.)** 2022
University of the Punjab Lahore, Pakistan
- Peer and kids tutoring** 2018-2021

Harjas S.

PROFESSIONAL SUMMARY

Bilingual medical device sales specialist and aspiring biotechnology leader currently pursuing a Master of Biotechnology Management at York University with expertise in data analysis, project management, and commercialization. Proven track record in driving revenue growth, leading healthcare projects, and delivering data-driven insights, with hands-on experience in laboratory techniques, business intelligence tools, and client engagement across clinical and corporate settings.

AREAS OF EXPERTISE

| | | | |
|------------------------|-------------------------|--------------------------|----------------------|
| ✓ Python/R/SAS/SQL | ✓ Sales Strategy | ✓ Conflict Resolution | ✓ Data Analysis |
| ✓ Leadership | ✓ Clinic Retention | ✓ Laboratory Techniques | ✓ Teamwork |
| ✓ French Communication | ✓ Business Intelligence | ✓ Implementation Science | ✓ Project Management |

EDUCATION

Master of Biotechnology Management Expected Graduation June 2027 (Eligible for work May 2026)

York University, Markham, Ontario

Relevant Courses:

Data Analysis and Product Development (Expected Winter 2026): Developing expertise in biotechnology data analysis and statistical methods, alongside training in product development and commercialization within the biotechnology industry.

Laboratory Skills in Biotechnology (Expected Winter 2026): Gaining skills in experimental design, laboratory techniques, protocol implementation, data analysis, and communication of results in biotechnology research.

Graduate Diploma in Management

Expected Graduation April 2026

York University, Markham, Ontario

Relevant Courses:

Principles of Marketing Management (Expected Winter 2026): Building knowledge of core marketing functions and their application within organizational management.

Graduate Diploma in Digital Health and Data Analytics

August 2024

Michener Institute, UHN, Toronto, Ontario

Relevant Courses:

AI & Machine Learning Applications: Applied machine learning techniques to healthcare data, creating a model which detects hepatitis, and uses Deep Neural Networks to predict patient outcomes with a 90% accuracy, leading to potential cost savings and better patient outcomes

Honors Bachelor of Science – Specialization in Neuroscience

April 2021

University of Toronto, Toronto, ON

AWARDS & FUNDING

Co-operative Education and Work-Integrated Learning Canada (CEWIL Canada) Grant
(curricular WIL experience)

2025

PROFESSIONAL EXPERIENCE

Bilingual Medical Device Inside Sales Specialist

June 2025 – Present

Tandem Diabetes

Markham, ON

- Surpassed national sales quotas by driving \$200K+ in monthly revenue through strategic promotion and distribution of insulin pumps and diabetes management supplies across Canada.
- Drove opportunities through the full medical device sales cycle, supporting customers in English and French to overcome barriers and successfully close new business.

Harjas S.

- Educated patients and healthcare providers on insulin pump therapy, effectively converting competitor users and driving customer retention.
- Partnered with Field Sales and Clinical teams to coordinate reimbursement, insurance claim submissions, documentation, and shipments, ensuring timely order fulfillment.

Patient Services Supervisor

July 2021– December 2024

LMC Diabetes & Endocrinology

Toronto, ON

- Planned and led cross-functional patient outreach initiatives across 10 clinics by aligning stakeholders and executing targeted communication started, increasing annual visits by 20%.
- Streamlined clinic operations by standardizing patient outreach end education workflows by developing SOP's for preventative care communication and follow-up protocols.
- Directed a high-value patient re-engagement project through optimized scheduling and follow-up protocols, achieving an average ROI of 250%

Digital Health Intern

May 2024 – August 2024

Ontario Health

Toronto, ON

- Led product initiatives for the Radiation Treatment Program, designing and launching an online cancer resource hub adopted by 14 radiation centers across Ontario.
- Managed the full project life cycle from initiation to completion, overseeing timelines, scope, and stakeholder coordination to ensure successful delivery.
- Conducted stakeholder interviews, user surveys, and created user stories, translating qualitative data into actionable dashboards for the Radiation Treatment Program.

Business Intelligence | Data Analyst Intern

January 2024 – April 2024

KMH Cardiology

Mississauga, ON

- Built and maintained interactive dashboards in Tableau and Tableau Pulse, surfacing KPIs and automating reports for clinical, administrative, and executive stakeholders, cutting manual reporting time by 15% and improving decision-making.
- Spearheaded the implementation of a \$1M Holter monitor system across multiple clinics, managing vendor relationships, coordinating internal stakeholders, and ensuring timely, on-budget deployment with no major service interruptions.
- Queried clinical and operational data from EHR systems using SQL, enabling deep analysis of trends in patient readmissions, appointment no-shows, and test utilization, which supported care pathway improvements and operational efficiency.

Research Assistant, Therapy Interventions for Psychosis

September 2019– January 2021

University of Toronto

Toronto, ON

- Gained proficiency in using EMOTIV EPOC+ EEG hardware and software, consistently achieving high-quality data readings with accuracy above 90%
- Obtained and ensured informed consent from study participants, adhering to ICH-GCP guidelines and maintaining ethical research practices
- Recruited, screened, and aided in neuropsychological testing for participants based on schizophrenic criteria, ensuring accurate data collection

PROFESSIONAL DEVELOPMENT

- **Project Management Specialization, Google** April 2025
- **Certified Associate in Project Management (CAPM), PMI** Expected January 2026

VOLUNTEER CONTRIBUTIONS

- **Patient and Learning Centre, Toronto General Hospital** September 2018 – January 2020

Harnoor G.

PROFESSIONAL SUMMARY

Master's student in Biotechnology Management with a strong background in biomedical science. Experienced in laboratory techniques, independent research design, literature review, data analysis, scientific writing, and oral presentations. Skilled in collaboration, leadership, and organizational management. Determined to apply and expand technical expertise at the intersection of healthcare policy, innovation, and regulatory affairs to support evidence-based, patient-centered decisions and care.

AREAS OF EXPERTISE

- | | | | |
|-----------------------|----------------------|-------------------------|------------------|
| ✓ Regulatory Affairs | ✓ Healthcare Policy | ✓ Microsoft Excel & VBA | ✓ Data Analysis |
| ✓ Project Management | ✓ Scientific Writing | ✓ GLP/GMP | ✓ Leadership |
| ✓ Analytical Thinking | ✓ Collaboration | ✓ Plasmid Preparation | ✓ DNA Extraction |

EDUCATION

Master of Biotechnology Management Expected Graduation June 2027 (Eligible for work May 2026)
York University, Markham, Ontario

Relevant Courses:

Data Analysis & Product Development: Leveraging clinical datasets to support evidence-based decision making and project planning.

Research & Development in Biotechnology: Emphasis on vaccine production, and quality control practices.

Science Communication & Writing: Developed skills in professional networking and effective science communication.

Graduate Diploma in Management Expected Graduation April 2026
York University, Markham, Ontario

Bachelor of Science - Specialized Honors Biomedical Science Graduated June 2025
Toronto Metropolitan University, Toronto, Ontario

AWARDS & FUNDING

Co-operative Education and Work-Integrated Learning Canada (CEWIL Canada) Grant 2025

PROFESSIONAL EXPERIENCE

Graduate Consultant – Market Opportunity Analyst Present
Liven Proteins (York University CEWIL Project) Toronto, Ontario

Team partnership with Liven Proteins to conduct a comprehensive market opportunity analysis for Liven's animal-free precision fermentation collagen in the tissue engineering space.

- Directly supporting Liven's market opportunity analysis by conducting secondary research on market size, competitor products, case studies, and regulatory requirements, providing insights that allow for informed commercialization strategy.
- Creating a research report and summary poster to support internal product development and facilitate evidence-based communication with external partners; investors, potential customers, and funding agencies.
- Performing a cost-benefit analysis of Liven's animal-free precision collagen, strengthening skills in financial modeling and Excel expertise while contributing findings for guided market evaluation and strategic planning.
- Collaborated with graduate student team and industry partner to organize weekly meetings and distribute tasks, strengthening efficiency, accountability and ensuring successful project outcomes.

Undergraduate Research Student May 2024 – April 2025
McPhee Lab Toronto, Ontario

Conducted experiments to determine the role of bacterial filaments on antibiotic resistance. Performed data analysis to interpret results and include in manuscript writing. Successfully defended thesis project and presented at the Ontario Biology Day Conference.

Harnoor G.

- Independently performed weekly experiments in a CL2 professional laboratory to investigate bacterial filament resistance to antibiotics, contributing to a deeper understanding of the mechanisms that enteric bacteria employ to induce disease.
- Conducted rigorous literature reviews using NCBI databases, improving project knowledge and supporting clear, evidence-based communication of research findings in manuscript writing and oral laboratory presentations.
- Analyzed and graphed experimental data obtained from minimum inhibitory assays, using Microsoft Excel and GraphPad Prism 10 to allow data interpretation and contribute meaningful results to the overall project.
- Improved team productivity and strengthened collaboration by supporting peers with protocol guidance, equipment troubleshooting, data analysis, and presentation of research findings.

Executive, Vice President of Operations

November 2024 – April 2025

Undergraduate Science Society of Toronto Metropolitan (USSTM)

Toronto, Ontario

Worked as a liaison between USSTM executives and the student body. Managed official documents and created biweekly agendas for executive meetings. Collaborated with peers, hosting social and academic events to promote engagement.

- Ensured smooth operations and high organizational efficiency by managing the maintenance and booking of USSTM equipment and facilities through Google Suite, resulting in zero scheduling conflicts and improving overall user satisfaction.
- Structured biweekly Board of Director meetings by preparing agendas and coordinating with student presenters, to ensure on-time sessions and enhanced meeting efficiency.
- Collaborated with the USSTM leadership team to implement activities that promote community interaction, networking, and academics for students within the Faculty of Science.
- Supported organizational governance by maintaining accessible and up to date official USSTM documents, including the USSTM Constitution, By-Laws, and Science Lounge Policy.

Chair of Orientation

March 2024 – August 2024

Undergraduate Science Society of Toronto Metropolitan (USSTM)

Toronto, ON

Led a team of executives in planning events to welcome incoming science students. Performed as a valuable mentor to provide students with inquiries insightful advice. Managed a \$40,000 budget to provide students with adequate resources for the week.

- Welcomed and supported over 400 first year students within the Faculty of Science, fostering community and easing transition to university through academic and social student events during Science Orientation Week.
- Strategically allocated a \$40,000 budget through financial tracking, ensuring accountability and cost-effectiveness while funding essentials and community-building events that strengthened student support and enhanced campus experience.
- Led a team of seven executives in planning events, developing marketing strategies, and collaborating with sponsors and academic professors, ensuring smooth event execution, high student satisfaction and strong stakeholder relationships.
- Strengthened communication and mentorship skills by answering student inquiries on academic planning, workload management and campus resources, helping students feel welcome and motivated to engage in their academic journey.

PROFESSIONAL DEVELOPMENT

- Ideas to Action Life Science Forum, Accelerating Competitiveness: Reimagining Ontario's Life Sciences in a Changing World | Life Science Ontario | Toronto, Canada | Conference | 2025
- BioTalent Learning Modules on Understanding Canada's Bioeconomy – BioReady Certification (expected April 2026) | 2025
- Understanding Confidentiality and Nondisclosure Agreements | LinkedIn Learning | 2025
- Standard First Aid & CPR Level C with AED Certification | Canadian Red Cross | 2023

VOLUNTEER CONTRIBUTIONS

- COVID-19 Vaccine Clinic Volunteer | Region of Peel | Brampton, Ontario | 2022
- Elementary School Science Volunteer | SciXChange | Toronto, Ontario | 2021

Hosai S.

PROFESSIONAL SUMMARY

Bilingual (French), Master of Biotechnology Management student with a strong background in molecular biology and microbiology. Experienced in bacterial culturing, plasmid transformation, and antimicrobial testing, with academic exposure to microbiome research and science education. Strengths include verbal & written communication, cross-functional collaboration, and familiarity with lab protocols and quality standards. Motivated to apply practical lab skills and strategic thinking to innovation in global biotechnology.

AREAS OF EXPERTISE

- | | | | |
|-------------------------|--------------------------|-----------------------|--------------------|
| ✓ Aseptic techniques | ✓ Plasmid transformation | ✓ Bacterial culturing | ✓ Peer leadership |
| ✓ Antimicrobial testing | ✓ Excel data analysis | ✓ Lab protocols | ✓ Customer service |
| ✓ Teamwork | ✓ Multilingual | ✓ Certified French TA | ✓ Project support |

EDUCATION

Master of Biotechnology Management Expected Graduation June 2027 (Eligible for work May 2026)
York University, Markham, Ontario

Relevant Courses: *Applied coursework in Biotechnology, Science Communication, and Operations Management to analyze biotech concepts, write for diverse audiences, and model supply chains using Excel/VBA.*

Graduate Diploma in Management Expected Graduation April 2026
York University, Markham, Ontario

Honor's Bachelor of Science in Molecular Biology & Immunology Diseases September 2020 - August 2024
Major in French Language
University of Toronto, Scarborough, ON

CERTIFICATES & FUNDING

Co-operative Education and Work-Integrated Learning Canada (CEWIL Canada) Grant (curricular WIL experience) 2025

PROFESSIONAL EXPERIENCE

Work-integrated Learning Project Consultant Sep 2025 – Present
Curu Skin Toronto, ON

- Conduct critical review and characterization of upcycled raw materials for use in skincare formulations, supporting product innovation and sustainability goals
- Develop commercialization and regulatory roadmap, identifying compliance requirements and market pathways to enable successful product launch

French and Science Tutor Sep 2024 – Present
ForestHill Tutoring Centre Toronto, ON

- Provide specialized in-person and online tutoring in French and Science (Biology, Chemistry), diagnosing learning gaps and implementing targeted strategies to ensure exam/assignment readiness and boost student grades and confidence.

Bilingual Customer Account Specialist III Dec 2024 – Sep 2025
TD Business Banking Markham, ON

- Assisted bilingual (English/French) small business customers by resolving account issues and processing transactions accurately, ensuring compliance and improving client satisfaction.

French Linguistics Teaching Assistant (TA) June -2023 – Dec 2024
University of Toronto Scarborough

- Instructed and mentored 100+ students in person and online, applying a comprehensive understanding of grading methods to ensure fair, consistent, and timely evaluations aligned with academic standards.

Hosai S.

- Maintained accurate business records and processed applications in a fast-paced, compliance-driven environment

French Linguistics Teaching Assistant (TA)

June -2023 – Dec 2024

University of Toronto

Scarborough, ON

- Comprehensive understanding of grading methods, ensuring consistent evaluation with academic standards.
- Instructed and mentored 100+ students in-person & conducted successful online sessions and maintained fair and timely evaluation of assignments and exams for students.

PROJECTS & RESEARCH

Antibiotic Sensitivity & β -lactamase Study

July 2024

University of Toronto

Scarborough, ON

- Tested *E. coli* and *S. epidermidis* against ampicillin, chloramphenicol, tetracycline, streptomycin, and penicillin using disk diffusion and β -lactamase assays
- Found *E. coli* resistant to penicillin without β -lactamase activity; *S. epidermidis* produced β -lactamase but remained susceptible to all antibiotics

Biochemistry-Based Protein Assay

May 2023 – July 2023

University of Toronto

Scarborough, ON

- Investigated β -galactosidase expression in *E. coli* using SDS-PAGE and enzyme assays with IPTG and X-Gal
- Identified lac operon mutants and estimated protein molecular weight based on gel analysis

Computational Analysis of Unknown DNA Sequence in *Saccharomyces cerevisiae*

Apr 2023 – May 2023

University of Toronto

Scarborough, ON

- Identified SSC1 gene and HSP70 protein using BLAST, NEBcutter, ExPasy, and PSORT; applied restriction mapping, open reading frame analysis, and protein property prediction to interpret gene structure and function

BIOC90H3: Integrative Multimedia Documentary Project

Sep 2023 – Dec 2023

University of Toronto

Scarborough, ON

- In a group, conducted a semester-long research project and produced a top 10 biology documentary focused on addressing the Respiratory Syncytial Virus (RSV) crisis. [Video Resume – Canva Presentation](#)

VOLUNTEER CONTRIBUTIONS

Pharmacy Assistant

Sep 2024 – Jan 2025

Ariana Pharmacy

Toronto, ON

- Assisted with inventory management, prescription packaging, and customer service support

Founder & Co-president of French Department Student Association

May 2023 – Apr 2024

University of Toronto

Scarborough, ON

- Led and organized club meetings and activities to align with mission goals; promoted French language on campus and organized various cultural and educational events.

PROFESSIONAL DEVELOPMENT

BioTalent Canada

September 2025

- Technical skills fundamentals (GMP, GLP, GCP, QA/QC, scientific documentation)

BioTalent Canada

September 2025

- Essential Skills fundamentals (scientific communication, Collaboration, Problem-solving)

LinkedIn Learning

September 2025

- Confidentiality and NDA's certification

Project & Reporting Tools, operation management

Sep 2025 – Oct 2025

- Proficient in Microsoft 365, MS Project, Google Workspace, and advanced Excel tools (VLOOKUP, PivotTables, IF statements), developed through Management Operations coursework during master's program.

Jessica A.

PROFESSIONAL SUMMARY

Motivated and detail-oriented Biotechnology Management student with hands-on experience in leadership, collaboration, and effective communication within interdisciplinary teams. Strong foundation in both scientific and business aspects of biotechnology, with a growing interest in product development and commercialization. Eager to expand industry experience and contribute to bringing innovative biotechnology solutions to market.

AREAS OF EXPERTISE

- | | | | |
|-----------------|-------------------------|-----------------|------------------|
| ✓ Organization | ✓ Problem Solving | ✓ Collaboration | ✓ Leadership |
| ✓ Communication | ✓ Microsoft Excel + VBA | ✓ Microsoft 365 | ✓ Lab Techniques |

EDUCATION

Master of Biotechnology Management Expected Graduation June 2027 (Eligible for work May 2026)

York University, Markham, Ontario

Relevant Courses:

Research and Development in Biotechnology: Developed in-depth expertise in vaccine production by mastering upstream/downstream workflows, formulation, and quality control processes, contributing to the advancement of R&D in biotechnology.

Scientific Communication and Writing: Completed graduate-level training in science communication for biotechnology, gaining expertise in technical writing, oral presentation, literature research, ethical analysis, and audience-specific messaging.

Product Development in Biotechnology: Gained comprehensive knowledge of pharmaceutical product lifecycle by analyzing manufacturing workflows, launch readiness, and regulatory strategies, supporting effective product development and commercialization in biotechnology.

Graduate Diploma in Management

Expected Graduation April 2026

York University, Markham, Ontario

Relevant courses:

Organizational Behaviour: Completed graduate coursework in organizational behaviour and leadership, applying behavioural theories to analyze team dynamics and propose solutions—building strong leadership, collaboration, and problem-solving skills.

Management Information Systems: Learned information systems and IT strategy, gaining the ability to communicate technical concepts, assess data governance and privacy risks, and apply IS solutions to support business goals, compliance, and competitive advantage in organizations.

Bachelor of Science- Honours Specialization in Genetics

June 2023

Western University, London, Ontario

AWARDS & FUNDING

Co-operative Education and Work-Integrated Learning Canada (CEWIL Canada) Grant

2025

RELEVANT EXPERIENCE

Work Integrated Learning Project- Genomic Results Portal Enhancement

September 2025 – Current

DNALabs x York University

Toronto, Ontario

- Collaborated to enhance genomic results portals by adding comprehensive gene analyses, expanding the scientific depth and clinical relevance of content available to users.

Jessica A.

- Researched and integrated detailed gene-level insights to ensure accurate, evidence-based content, enabling medical professionals to translate genetic findings into personalized lifestyle recommendations.
- Integrated an AI-powered chatbot into the website redesign to improve access to information, resulting in a more intuitive and user-friendly experience.

Account Representative

April 2024 – September 2025

Movati Athletic

Richmond Hill, Ontario

- Identified and assessed client needs to recommend tailored services, enhancing client relationships through clear and supportive communication.
- Presented products/services and addressed objections, using effective communication to explain product benefits, resulting in successful sales.
- Provided ongoing support to clients by actively listening, answering questions, and offering solutions, strengthening trust and ensuring client retention.
- Collaborated with various teams to share insights and challenges, enhancing team communication and contributing to an improved, more functional workplace.

Honours Research Thesis Participant

September 2022 – April 2023

Western University

London, Ontario

- Investigated molecular genetic mechanisms in a laboratory research project by applying core techniques such as colony PCR, DNA purification, restriction enzyme digestion, and bacterial transformation, ensuring accurate and reproducible results.
- Analyzed experimental results and synthesized findings into a formal research thesis, demonstrating precision, data interpretation, and scientific writing skills.
- Presented research outcomes to an academic panel, effectively conveying complex molecular genetics data and highlighting strong scientific communication and audience engagement skills.

PROFESSIONAL DEVELOPMENT

- 2025 Ideas to Action Life Science Forum Accelerating Competitiveness: Reimagining Ontario's Life Sciences in a Changing World | Life Science Ontario | Toronto, Canada | Conference
- **BioReady Certifications**
BioTalent Canada, 2025
 - Learned industry-aligned competencies in biotechnology, including technical knowledge, regulatory awareness, workplace communication, and understanding of Canadian bio-economy standards.

VOLUNTEER CONTRIBUTIONS

Blue Ribbon Gala Co-chair

January 2023 – Current

Diabetes Canada

Toronto, Ontario

- Co-led fundraising efforts, raising over \$150,000 to support Type I Diabetes research, demonstrating strong project management and engagement skills.
- Collaborated with Diabetes Canada researchers to produce an educational video campaign, effectively bridging science communication and public outreach.
- Coordinated with committee members to ensure seamless execution of gala events, emphasizing teamwork and organizational skills.

Justin C.

PROFESSIONAL SUMMARY

Master of Biotechnology Management candidate and emerging biotech leader with two years of experience optimizing study processes, driving cross-functional collaboration and managing trial operations. With a proven track record of improving study efficiency, ensuring the quality of trial conduct, and maintaining compliance, successful outcomes have been achieved through meticulous trial coordination. Passionate about improving patient welfare across the globe by leading continuous innovation of life-saving therapies and delivering measurable impact through the development of cutting-edge biotechnological solutions.

AREAS OF EXPERTISE

| | | | |
|---------------------------------|---|--|--|
| ✓ Regulatory Affairs Management | ✓ International Ethics & Compliance (ICH-GCP) | ✓ Clinical Trial Design & Coordination | ✓ Cross-Functional Team Leadership |
| ✓ Risk Assessment & Mitigation | ✓ Data Quality Assurance & Audit Readiness | ✓ Electronic Data Capture (EDC) & CTMS | ✓ Standard Operating Procedure Development |
| ✓ Process Optimization | ✓ Budget Optimization | ✓ Communication | ✓ Adaptability |

EDUCATION

Master of Biotechnology Management Expected Graduation June 2027 (Eligible for work May 2026)

York University, Markham, Ontario

Relevant Courses:

Data Analysis, Product Development and Commercialization in Biotechnology (Expected Winter 2026):

To comprehensively explore software tools and methods for data analysis, product development, and commercialization.

Research & Development in Biotechnology (Expected Winter 2026): *To cultivate in-depth knowledge of biotechnology drug and development processes, standard operating procedures, regulations, regulatory compliance, ICH-GCP, and GMP.*

Graduate Diploma in Management

Expected Graduation April 2026

York University, Markham, Ontario

Relevant Courses:

Financial and Management Accounting: *Developed a strong understanding of evaluating financial performance through financial/managerial accounting to further assist businesses with strategic planning.*

Law and Corporate Governance (Expected Winter 2026): *To investigate the legal environment of corporate governance, including duties and liabilities of directors, audit and compensation committee requirements, shareholder rights, and international issues.*

Honours Bachelor of Science – Double Major in Human Biology & Psychology

June 2023

University of Toronto, Toronto, Ontario

AWARDS & FUNDING

Co-operative Education and Work-Integrated Learning Canada (CEWIL Canada) Grant
(curricular WIL experience)

2025

PROFESSIONAL EXPERIENCE

Clinical Research Analyst (Cardio-Oncology)

March 2025 – Present

Clinical Trials & Translation Unit, UHN – Ted Rogers Program in Cardiotoxicity Prevention

Toronto, Ontario

Supporting national and international teams in Cardio-Oncology research through management of multi-site international clinical trials in cardiotoxicity prevention while executing/coordinating all aspects of the clinical trial at the lead site.

Justin C.

- Led study start-up through clinical operations training, regulatory submissions, and site initiation visits on behalf of the central clinical coordinating site, leading to the successful activation of 6 sites in multi-centre randomized controlled trials (RCTs).
- Managed regulatory affairs of multi-centre international RCTs through oversight of amendment submissions and revision of regulatory documents such as Informed consent forms, resulting in ethics approvals at sites in Canada, USA, UK, & Australia.
- Directed trial conduct, protocol compliance and data management of trial sites participating in multi-site international RCTs, producing standardized audit/inspection -ready trial sites and collaborative inter-institutional operations.
- Coordinated clinical trials at the lead site of multi-centre RCTs, performing eligibility screening, obtaining informed consent, and conducting trial protocol, surpassing trial accrual target rates by 33% while adhering to strict budgets.

Clinical Research Study Assistant (Cardiology)

August 2023 – March 2025

Peter Munk Cardiac Centre Cardiovascular Biobank, UHN

Toronto, Ontario

Supported the operation of the UHN PMCC CV Biobank through recruitment of study participants, specimen collection, processing, and data management.

- Innovated and implemented feature enhancements to hospital informatics system to improve quality, accuracy and efficiency, reducing time spent performing study eligibility screening by 66%.
- Developed, revised, and implemented over 35 Standard Operating Procedures (SOPs) using theoretical and practical knowledge of clinical research principles, establishing guidelines and enhancing study task efficiency.
- Collaborated with multidisciplinary teams to achieve recruitment of over 1800 participants through eligibility screening, obtainment of informed consent, and administration of data collection.
- Conducted the collection, processing, and management of biological samples in compliance with TDG, IATA regulations and clinical research laboratory protocols to ensure sample integrity and data accuracy.

PROFESSIONAL CERTIFICATIONS

- **PROJECT MANAGEMENT INSTITUTE (PMI)**

Certified Associate in Project Management (CAPM), (Expected Winter 2026)

- **BIOTALENT CANADA**

BioReady Certificate; Technical Skills Fundamentals, Essential Skills Fundamentals (Expected Winter 2026)

- **COLLABORATIVE INSTITUTIONAL TRAINING INITIATIVE (CITI) PROGRAM**

Good Clinical Practice (GCP) - Canada, (December 2024)

- **CANSCRIBE CAREER COLLEGE**

Medical Terminology, (February 2022)

VOLUNTEER CONTRIBUTIONS

Health Surveillance Screener

September 2021 – July 2022

Princess Margaret Cancer Centre, UHN

Toronto, Ontario

- Conducted comprehensive health screenings for patients and visitors, ensured strict adherence to COVID-19 protocols, empathetically enforced infection control guidance, and safeguarded the well-being of patients, staff, and visitors.

Volunteer Navigator

September 2018 – September 2021

Princess Margaret Cancer Centre, UHN

Toronto, Ontario

- Assisted in orientation and wayfinding, provided information, escorted patients with mobility issues, and demonstrated compassion and empathy, satisfying emotional and social needs of vulnerable patients.

Kaya C.

PROFESSIONAL SUMMARY

Currently a Master of Biotechnology Management candidate at York University with experience in biochemical academic research and GMP-regulated pharmaceutical labs. Proficient skills in molecular biology techniques, assay development, and analytical testing. Demonstrated initiative in leading and executing parasite research projects and mentoring students to improve lab performance. Combining scientific expertise with management training and knowledge to contribute to research, quality, and business functions in biotech and pharma, driving innovation and operational excellence.

AREAS OF EXPERTISE

- | | | | |
|---|------------------------------------|---|---------------------------|
| ✓ Science Communication | ✓ Scientific and Technical Writing | ✓ Research Planning and Experimental Design | ✓ Mentorship and Training |
| ✓ Critical Thinking and Troubleshooting | ✓ Laboratory Health and Safety | ✓ Molecular Biology Techniques | ✓ GMP and GLP Compliance |

EDUCATION

Master of Biotechnology Management Expected Graduation June 2027 (Eligible for work May 2026)
York University, Markham, Ontario

Relevant Courses:

Introduction to Biotechnology Practices: Exploring fundamental concepts, methods, and applications of modern biotechnology, including societal and ethical considerations.

Science Communication and Writing: Developing science communication skills in writing, presenting, and online media while conducting a research-based project with an industry partner.

Graduate Diploma in Management Expected Graduation April 2026
York University, Markham, Ontario

Bachelor of Science (Honours) Biochemistry with Internship and Thesis Graduated June 2025
University of Windsor, Windsor, Ontario

- Completed a Co-op internship at Catalent Pharma Solutions, conducting analytical testing of soft-gel capsules for raw material, stability, and finished products.
- Conducted a thesis project on developing a reporter gene system to study non-coding RNA in *Toxoplasma gondii*.

AWARDS & FUNDING

Co-operative Education and Work-Integrated Learning Canada (CEWIL Canada) Grant 2025
(curricular WIL experience)

Ignite Work Study Program – University of Windsor 2024 - 2025

PROFESSIONAL EXPERIENCE

Undergraduate Research Assistant June 2023 – May 2025
University of Windsor Windsor, Ontario

- Initiated and led an independent project investigating non-coding RNA in *Toxoplasma gondii*, designed a luciferase-based reporter system and engineered cloning strategies that produced functional plasmid constructs and a foundation for assay optimization.
- Streamlined lab workflows by training and mentoring 7+ undergraduates in molecular biology techniques including DNA/RNA isolation, PCR, RT-qPCR, cloning, and cell culture, resulting in improved data consistency and reduced experimental error.
- Optimized cloning protocols by troubleshooting ligation inefficiencies and refined PCR and buffer conditions, which increased cloning efficiency and construct reliability for downstream analysis.

Kaya C.

Biochemistry Teaching Assistant

May 2024 – August 2024

University of Windsor

Windsor, Ontario

- Partnered with faculty and 3+ Ph.D. students to validate and refine protein purification experiments for students in the course *Organic Chemistry of Biomolecules*, by testing protocols such as dialysis, ion-exchange chromatography, Bradford assay, and SDS-PAGE, which enhanced experiment clarity and ensured smoother lab sessions.
- Supported 40+ students in mastering biochemical lab protocols by providing individualized assistance, troubleshooting guidance and enforced safety standards, which increased student confidence, reduced experimental errors, and enhanced learning outcomes.

Co-op Analytical Chemist

May 2022 – April 2023

Catalent Pharma Solutions

Windsor, Ontario

- Collaborated with a 15+ member Analytical R&D team in a GMP-regulated lab to complete 10+ projects on raw material, stability, and final product testing of soft-gel capsules, by coordinating testing schedules and adhered to strict timelines, which ensured on-time deliverables and supported product release.
- Performed and validated analytical testing of soft-gel products using HPLC, UHPLC, GC, Karl Fischer titration, and dissolution/disintegration methods to produce accurate data that ensured product integrity and met compliance and regulatory requirements.
- Processed and interpreted chromatographic data from with Empower software, ensuring precision and compliance with SOP documentation, which maintained data integrity and enabled timely submission of results for product approval.

PROFESSIONAL DEVELOPMENT

- 2025 Ideas to Action Life Science Forum, Accelerating Competitiveness: Reimagining Ontario's Life Sciences in a Changing World | Life Science Ontario | Toronto, Ontario, Canada | Conference
- 2025 Decolonizing, Equity, Diversity and Inclusion Self-Reflection Toolkit | York University | Course
- 2025 Market Access in the Canadian Biotechnology Landscape by Lindy Forte, Eversana | York University | Seminar
- 2025 Collaboration Fundamentals | BioTalent | Course
- 2025 Problem-Solving Fundamentals | BioTalent | Course
- 2025 GMP Fundamentals | BioTalent | Course
- 2025 GLP Fundamentals | BioTalent | Course
- 2024 ChemiConn Chemical & Biochemical Connections | ChemiConn | Windsor, Ontario, Canada | Conference

VOLUNTEER CONTRIBUTIONS

Co-President of Science Living Learning Community

Sept 2023 – April 2025

University of Windsor

Windsor, Ontario

- Co-led a 20+ member executive team, directing event planning, outreach, and communications to increase engagement among 80+ residence, non-residence students and professors in the Faculty of Science.
- Recruited, interviewed, and onboarded new executive, coordinator, and general members, fostering a collaborative team culture through bi-weekly progress and strategy meetings.
- Managed cross-functional teams (events, outreach, graphic design), organized operations and aligning initiatives, which boosted visibility and participation in the science community.

Marwa S.

PROFESSIONAL SUMMARY

Master of Biotechnology Management candidate with hands-on experience in molecular biology, data analysis, and public health research. Experienced in managing datasets and conducting laboratory studies. Combines communication and teaching expertise with a strong interest in patient care management and patient service research, and a commitment to improving patient experience and healthcare outcomes through evidence-based research and service.

AREAS OF EXPERTISE

| | | | |
|----------------------|------------------------------------|--------------|------------------|
| ✓ Data Analysis | ✓ Excel | ✓ Leadership | ✓ Teaching |
| ✓ Scientific Writing | ✓ Cell culture | ✓ French | ✓ Event Planning |
| ✓ Literature Review | ✓ Immunofluorescence microscopy | ✓ Teamwork | ✓ Budgeting |

EDUCATION

Master of Biotechnology Management Expected Graduation June 2027 (Eligible for work May 2026)

York University, Markham, Ontario

Relevant Courses:

Research and Development in Biotechnology: Built strong knowledge of vaccine development workflows, from upstream and downstream processing to formulation and quality control.

Scientific Communication and Writing: Gained practical experience in writing, presenting, and communicating biotechnology research to diverse audiences.

Laboratory Skills in Biotechnology: Acquired hands-on training in key laboratory techniques, quality control practices, and biosafety procedures used in biotechnology research.

Graduate Diploma in Management, Expected Graduation April 2026

York University, Markham, Ontario

Honours Bachelor of Science – Specialized in Molecular Biology, Immunology & Disease

Oct - 2024

University of Toronto

AWARDS & FUNDING

Co-operative Education and Work-Integrated Learning Canada (CEWIL Canada) Grant 2025

Student Research Trainee Stipend – Institute of Health Policy, Management & Evaluation (University of Toronto) 2025

PROFESSIONAL EXPERIENCE

Research & Patient Support Project Intern September 2025 – Present

Alexion Pharmaceuticals Toronto, ON

- Participating in a CEWIL-supported experiential learning project focused on Patient Support Programs (PSPs) for individuals with rare diseases.
- Conduct literature reviews and map patient journeys to identify an innovative, patient-centred support program.
- Assess emotional, logistical, and financial needs to align support initiatives with patient and industry priorities.
- Engage directly with patients and physicians to identify unmet needs and integrate their perspectives into program design.

Science and Math Tutor August 2022 – Present

Scholars Education Centre Toronto, ON

- Deliver small-group and one-on-one instruction in Science and Math (Grades 6–12), boosting student confidence and raising test scores by 15–20%.
- Simplified concepts with custom materials and test prep, improving student comprehension and performance.
- Maintain high student retention and receive positive feedback from parents and students, reflecting strong instructional impact.

Marwa S.

Research Assistant

May – August 2025

HIVE Lab - Dalla Lana School of Public Health

Toronto, ON

- Conducted research on diabetes stigma by developing a large language model (LLM) to identify and classify diabetes subtype stigma within online health forums.
- Analyzed public discourse on British Columbia's drug decriminalization policy using sentiment analysis techniques to identify gaps and opportunities for policy improvement.
- Performed systematic literature reviews to contextualize findings and inform data analysis approaches.
- Co-authored two publications translating complex data into practical insights used to guide public health decision-making.

Research Assistant

Sep 2024 – May 2025

Tadrous Research Lab - Leslie Dan Faculty of Pharmacy

Toronto, ON

- Analyzed healthcare expenditures for asthma and COPD inhalers, focusing on cost and utilization differences between monotherapy and combination therapy.
- Managed large datasets from the IQVIA MIDAS database using advanced Excel functions for data cleaning, statistical analysis, and visualization.
- Conducted systematic literature reviews to contextualize findings and support evidence-based conclusions.
- Co-authored an upcoming peer-reviewed publication translating expenditure analyses into actionable insights for healthcare policy and practice.

Research Trainee (Shadowing Experience)

June – August 2024

Toronto Metropolitan University Cancer Research Lab – MaRS Discovery District

Toronto, ON

- Gained exposure to research on novel therapies for triple-negative breast cancer using ultrasound and microbubble treatment (USMB).
- Assisted with cell culture procedures and observed application of USMB therapy to cancer cell lines.
- Observed and supported immunofluorescence microscopy to assess mitochondrial protein expression and cellular responses.

French Translator and Social Media Coordinator

Sep – Dec 2023

The Inclusivity Institute for Better Data

Toronto, ON

- Translated presentations, reports, and documents from English to French, maintaining accuracy and tone.
- Managed organizational social media accounts, creating and scheduling posts to increase engagement.
- Oversaw French-language email marketing campaigns, optimizing content for outreach and audience growth.
- Increased social media engagement by 30% through targeted French-language posts and optimized scheduling.

PROFESSIONAL DEVELOPMENT

- **BioTalent Canada BioReady Certification (Expected April 2026)**
Good Laboratory Practice (Sep 2025)
Completed modules on Collaboration, Communication, and Numeracy Fundamentals (Sep 2025)
- **University of Toronto**
Laboratory Biosafety (June 2023)

VOLUNTEER CONTRIBUTIONS

French Department Student Association at University of Toronto Scarborough | Co-President | 2023 – 2024

- Represented students' interests and concerns related to academic curriculum within the French Department.
- Managed the department's budget and financial resources.
- Organized networking events connecting students with professionals from Toronto's French community, significantly increasing student interest, participation, and opportunities to practice outside the classroom.

Mim Binta I.

PROFESSIONAL SUMMARY

Biotechnology professional and first-year Master of Biotechnology Management student at York university with a strong foundation in plant biotechnology and molecular biology. Experienced in molecular research, genetic transformation, biosecurity protocols, and bioinformatics analysis, with strong analytical skills to drive research and development. Passionate about Bio-Health, Agri-Bio, and Bio-Industrial sectors, with a focus on R&D, Quality Control, and Manufacturing. Committed, collaborative, and dedicated to applying scientific knowledge to drive innovation, optimize processes, and support impactful biotechnology initiatives.

AREAS OF EXPERTISE

- ✓ Molecular Biology Techniques (PCR, qPCR, RT-PCR)
- ✓ Genetic Transformation & Plant Tissue Culture
- ✓ Gel Electrophoresis & DNA/RNA Analysis
- ✓ Bioinformatics & Protein Functional Annotation
- ✓ Greenhouse & Controlled Environment Plant Growth
- ✓ Data Analysis & Experimental Design
- ✓ Laboratory Safety & Regulatory Compliance
- ✓ Process Optimization & Quality Control
- ✓ Research & Development Support
- ✓ Scientific Reporting & Documentation

EDUCATION

Master of Biotechnology Management Expected June 2027

York University, Toronto, ON

- Developing skills in biotechnology commercialization, data analysis, and regulatory compliance.
- Relevant Coursework: Introduction to Biotechnology Practices, Science Communication, Management Information Systems, Manufacturing and Service Operations Management.

Master of Science in Botany (Thesis)- Specialized in molecular biology April 2022-Oct 2023

University of Dhaka, Dhaka, Bangladesh

M.S. Thesis – Plant Breeding and Biotechnology Lab

Thesis title: “Screening of ToLCV resistant cherry tomato varieties using *Ty* markers”

- Conducted PCR-based screening of 16 cherry tomato varieties to detect *Ty1–Ty5* resistance genes, confirming ToLCV resistance.
- Optimized experimental protocols for molecular screening and gene analysis, ensuring reproducible results and enhancing lab R&D quality.

Bachelor of Science (Hons.) in Botany Jan 2017-March 2022

University of Dhaka, Dhaka, Bangladesh

Relevant Courses:

- Applied Plant Molecular Genetics techniques in research on pathogen resistance and plant breeding, gaining hands-on experience in molecular biology and experimental design.
- Relevant Courses: Genomics, Proteomics & Bioinformatics; Molecular Genetics; Environmental Microbiology; Biochemistry and Biostatistics.

AWARDS & FUNDING

- Co-operative Education and Work-Integrated Learning Canada (CEWIL Canada) Fund 2025
- National Science and Technology Fellowship for outstanding M.S. research 2022

PROFESSIONAL EXPERIENCE

CEWIL Project Consultant Sept 2025- Ongoing

ALT-PRO Advantage, Toronto, ON

- Researching the alternative protein pet food market, analyzing competitor offerings and consumer trends to identify growth opportunities, which informed the company’s commercialization roadmap.

Mim Binta I.

- Collaborating with the founder and cross-functional team to develop recommendations for product innovation, sustainability practices, and market positioning, contributing to strategies aimed at attracting early customers and retail partners.

Research Assistant – Plant Breeding and Biotechnology Lab

Jul 2022 – Apr 2024

University of Dhaka

Project 1 – “Development of abiotic stress tolerant tomato through genetic transformation of *PDH45* gene”

- Established *Agrobacterium*-mediated and *in planta* genetic transformation protocols for tomato, successfully introducing the *PDH45* gene to enhance salinity and drought tolerance.
- Conducted tissue culture and greenhouse experiments to evaluate stress-tolerance of transformed tomato lines, generating consistent and reproducible findings.

Project 2 – In-silico characterization and structure-based functional annotation of hypothetical proteins from

Vigna radiata

Oct 2023 – Apr 2024

- Conducted sequence alignment and phylogenetic analysis of hypothetical proteins to determine evolutionary relationships.
- Applied bioinformatics tools to identify potential targets for functional and clinical biotechnology research.

Research Intern – Plant Biotechnology Laboratory

Feb 2022 – Apr 2022

National Institute of Biotechnology

Dhaka, Bangladesh

- Assisted senior researchers with experimental setup and sample preparation, enhancing team productivity and collaboration.
- Maintained lab safety standards and ensured accurate sample processing and data recording, following proper laboratory protocols and responsibility.

CERTIFICATIONS & PROFESSIONAL DEVELOPMENT

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- | | |
|---|-----------|
| • Biotechnology Fundamentals, Bio talent, Ontario, Canada | 2025 |
| • Non-Disclosure agreement and Confidentiality, LinkedIn Course, Toronto, Canada | 2025 |
| • 5 th ICBHA conference, Dhaka, Bangladesh | 2023 |
| • 10 th International Plant tissue culture and biotechnology conference, Dhaka, Bangladesh, | 2023 |
| • Bacterial Genomes: From DNA to Protein Function Using Bioinformatics – The Royal College of Pathologists (RCPATH) | 2022 |
| • Biological Safety, Chemical Safety, Environmental Health and Safety Training | 2022-2023 |

VOLUNTEER CONTRIBUTIONS

Volunteer | Toronto Feral Cat Recovery Centre, Toronto, ON

Aug 2025- Present

- Cared for feral and rescued cats, managing feeding, monitoring, and basic health checks.
- Supported volunteer coordination and community outreach initiatives to promote animal welfare.

Volunteer | Bangladesh Biology Olympiad, Dhaka, Bangladesh

Jan 2018 – Oct 2023

- Mentored students for international biology competitions, guiding two participants to earn Bronze Medals at the International Biology Olympiad level.
- Coordinated student recruitment and volunteers and assisted with event planning and logistics to ensure smooth national and international competitions.

Monique B.

PROFESSIONAL SUMMARY

Masters in Biotech Management candidate, working towards an impactful career in commercial biopharmaceuticals. A high energy individual who is focused on performance and goal achievement; comfortable in fast paced settings. Currently a volunteer with the Ontario Pharmaceutical Marketing Association with previous work experience at GSK in commercial operations and marketing. Pursuing internship opportunities to apply skills from Master's program and gain professional industry experience.

AREAS OF EXPERTISE

- | | | | |
|--------------------------|-----------------------|-------------------------|-------------------|
| ✓ Microsoft office suite | ✓ Research Skills | ✓ Data Analysis | ✓ Excel Functions |
| ✓ GCP Fundamentals | ✓ Presentation Skills | ✓ Knowledge Translation | ✓ Veeva CRM |

EDUCATION

Masters of Biotechnology Management

York University, Markham, Ontario

Expected Graduation June 2027 (Eligible for work May 2026)

Relevant Courses:

Product Development & Commercialization in Biotechnology: Applied data analysis software tools for statistical reasoning and developed knowledge in biopharma product development, while expanding knowledge in biotech commercialization.

Financial and Management Accounting: Gained knowledge in financial and managerial accounting, including preparing financial reports for external evaluation and using managerial finance tools for internal decision-making.

Graduate Diploma in Management

York University, Markham, Ontario

Expected Graduation April 2026 (Eligible for work May 2026)

Bachelor of Health Science - Honours Specialization in Health Sciences, Minor in Genetics

Western University, London, Ontario

Graduated February 2025

AWARDS & FUNDING

Co-operative Education and Work-Integrated Learning Canada (CEWIL Canada) Grant
(curricular WIL experience)

2025

PROFESSIONAL EXPERIENCE

Recruitment Coordinator

January 2025 – August 2025

MedAccess Recruiters

Toronto, Ontario

- Contributed to business scale up integrating a new ATS (Zoho), aligning platform capabilities with business needs to introduce Zoho into everyday workflows. Improved overall hiring process by reducing manual tasks and submission errors.
- Accelerated the development of a candidate engagement program by taking initiative to build an interim tracking tool in Zoho Sheets to record, and test the pilot program, informing key improvements needed for the final program.
- Supported recruiter efforts; coordinating interviews, sending out confirmation/ follow-up correspondence, tracking candidate status in ATS, and managing calendar platform (Calendly) to ensure a positive candidate and client experience.
- Created and managed internal and external recruitment agency resources (i.e., intake forms, job description templates, internal learning tools) to drive recruitment efforts forward and capture business strategy for future onboarding.

Monique B.

COPD Marketing Intern

May 2024 – August 2024

GSK Mississauga, Ontario

- Executed Re-PAABs for expiring materials, keeping the TRELEGY salesforce marketing materials compliant on Veeva to enhance sales effectiveness with faster access to materials and reduced compliance risks.
- Designed a detailed plan for a COPD awareness campaign, creating an action plan with timeline goals and equipping the salesforce with tools for a timely, impactful campaign launch, that received positive feedback for its smooth rollout.
- Led the update of the salesforce Internal Reference Tool and collaborated with the tech team for its transition into an i-pad app, enhancing salesforce efficiency in leveraging resources.
- Analyzed mass email engagement data and partnered with the Sales Incentive division to launch a national competition that boosted salesforce email reach, driving higher open rates and increased email volume to HCPs during the summer months.

Enterprise Operations Intern

May 2023 – August 2023

GSK Mississauga, Ontario

- Managed 3 weekly Patient Support Program reports using Microsoft powerpoint and excel, delivering data summarization and visualization to support salesforce decision making.
- Created a Microsoft Form solution in partnership with the tech team, simplifying medical event creation (i.e., CHE/OLA's) for sales representatives and reducing administrative burden.
- Trained two new employees on using the Veeva CRM system, arranging knowledge transfer meetings and facilitating learning with training materials (i.e., Veeva walkthrough recordings) to facilitate an effective onboarding process.
- Was involved in a GSK planning committee for an employee charity event, researching vendors, and facilitating planning to ensure event logistics were in place.

PROFESSIONAL DEVELOPMENT

BioTalent Canada Certifications – BioReady Certification (expected April 2026)

- Certified in; Collaboration Fundamentals, Communication Fundamentals, Writing Fundamentals, Reading Fundamentals, Numeracy Fundamentals, and Good Clinical Practice Fundamentals

CEWIL Canada Project - Partnering with a Market Access Leader at EVERSANA

- Designed and presented a reimbursement strategy for a hypothetical therapy, in line with a Canadian Drug Agency (CDA) submission, communicating the therapy's value to payers and providing recommendations to maximize reimbursement potential.

VOLUNTEER CONTRIBUTIONS

Communications Team Volunteer

October 2024 - Present

Ontario Pharmaceutical Marketing Association (OPMA)

- Prepare and schedule event's social media posts and emails to maximize social engagement and maintain positive OPMA member experience.
- Facilitate execution of OMPA communications via regular correspondence with graphics, event leads, and team members to ensure communications are ready to meet their send/post timelines.

Lung Health Support Group

January 2024 - March 2025

Dr. Sibbald Knowledge Translation Lab

London, Ontario

- Authored and managed the publication of a commentary paper titled "*Community Led Lung Health Support Groups: Processes, perspectives, and roles for researchers*", in the European Respiratory Journal (open access).
- Demonstrated public speaking skills while presenting commentary paper findings at the Conference for Undergraduate Health Research Conference at York University in 2024.
- Collaborated with research team members to conduct a London-Middlesex COPD environmental scan, gathering and analyzing information to identify gaps in local COPD supports for an Ontario Health Teams (OHT) Report.
- Created informational materials for the London Lung Health Support Group (i.e., social media posts, brochures, flyers) to increase support group recruitment and engagement.

Natasha G.

PROFESSIONAL SUMMARY

Highly organized and adaptable Master of Biotechnology Management candidate with a strong foundation in both biomedical sciences and business. Experienced in retail pharmacy and health-tech innovation, the latter leveraging research on personalized diabetes management to drive product development, patient-centred solutions, and market adoption. Committed to advancing biotechnology commercialization by leveraging technical insight, business acumen, and practical healthcare experience.

AREAS OF EXPERTISE

| | | | |
|-----------------------------------|--------------------------------|--------------------------|----------------------|
| ✓ Scientific Writing | ✓ Data Analysis | ✓ Market Research | ✓ Excel VBA |
| ✓ Biotechnology Commercialization | ✓ Molecular Biology Techniques | ✓ Microsoft Office Suite | ✓ Project Management |

EDUCATION

Master of Biotechnology Management Expected Graduation June 2027 (Eligible for Work May 2026)
York University, Markham, Ontario

Relevant Courses:

Science Communication and Writing: Trained to adapt complex scientific concepts for varied audiences, supporting accessible, informed decision-making across professionals, policymakers, and the public

Data Analysis, Product Development and Commercialization in Biotechnology: Built proficiency in statistical analysis and biotechnology commercialization, connecting scientific data interpretation with real-world industry applications

Research and Development in Biotechnology: Gained practical knowledge of clinical trial design, product labelling, packaging procedures, and industry compliance standards for drug development

Graduate Diploma in Management Expected Graduation April 2026
York University, Markham, Ontario

Relevant Courses:

Principles of Marketing Management: Acquired core marketing skills to analyze markets, identify opportunities, and support the strategic launch of innovative biotechnology solutions

Organizational Theory and Strategic Management: Applied principles of organizational performance and strategy to enhance management and translational impact in biotechnology projects

Bachelor of Science (Honours) - Biomedical Sciences, Minor in Business Essentials Graduated June 2025
Toronto Metropolitan University, Toronto, Ontario

AWARDS & FUNDING

| | |
|---|-----------|
| Co-operative Education and Work-Integrated Learning Canada (CEWIL Canada) Grant | 2025 |
| Toronto Metropolitan University President's Entrance Scholarship | 2023-2024 |
| Toronto Metropolitan University Faculty of Science Dean's List | 2022-2024 |
| Ted Rogers Entrance Scholarship | 2021 |

PROFESSIONAL EXPERIENCE

Co-operative Education and Work-Integrated Learning Canada (CEWIL) Project September 2025 - December 2025
Liven Proteins Toronto, Ontario

Supported market and regulatory analyses for Liven Protein's precision fermentation collagen, advancing R&D applications in biomedical scaffolding. Provided compliance-focused insights that informed strategic positioning and market entry planning.

- Conducting market opportunity analysis for Liven Protein's animal-free precision fermentation collagen, supporting research applications and commercialization strategies in biomedical scaffolding

Natasha G.

- Focusing on regulatory landscape assessments by identifying key approval pathways and compliance considerations, enabling actionable recommendations that informed strategic positioning for market entry

Biomakerspace Program Participant **Toronto Metropolitan University**

September 2024 - December 2024
Toronto, Ontario

Researched and conceptualized an AI-enabled diabetes monitoring tool leveraging emerging sensor technologies.

Collaborated with a multidisciplinary team to synthesize research into an actionable proposal and pitched solution to peers and health-tech leaders.

- Critically investigated challenges in accessible diabetes management and conceptualized an AI-driven application integrating advanced sensor technology, proposing a non-invasive monitoring solution for improved patient outcomes
- Synthesized literature on emerging sensor and diabetes management technologies, identifying translational opportunities that informed pathways toward commercially viable product solutions
- Consolidated research and project findings into a compelling final showcase presentation and pitched to peers and health-tech leaders, securing positive feedback for clear knowledge translation and strong stakeholder engagement

Pharmacy Assistant

April 2023 – August 2023

Rexall

Toronto, Ontario

Handled high-volume prescription processing and compounding while managing drug inventories and confidential patient records. Coordinated teams and customer interactions to deliver timely, safe, and professional pharmacy services.

- Managed high-volume pharmacy operations by prioritizing tasks and coordinating a cross-functional team, reducing prescription wait times while maintaining high standards of responsive and professional customer service
- Leveraged digital pharmacy systems to accurately manage drug inventories and confidential patient records, upholding regulatory compliance and data integrity in a fast-paced healthcare environment
- Processed and compounded prescriptions in strict compliance with pharmacy standards, contributing to a timely, error-free medication delivery record
- Coordinated prescription pickups and inquiries with customers, pharmacy assistants, and pharmacists through strong organizational and oral communication skills, achieving accurate order fulfillment and enhanced patient satisfaction

PROFESSIONAL DEVELOPMENT

- 2025 Ideas to Action Life Science Forum, Accelerating Competitiveness: Reimagining Ontario's Life Sciences in a Changing World | Life Science Ontario | Toronto, Canada | Conference
- 2025 BioReady Certifications | BioTalent Canada | Ottawa, Canada | Course
 - Technical Skills: Scientific Report Writing, GMP, GLP, GCP, QA/QC
 - Essential Skills: Reading, Writing, Numeracy, Document Use, Communication, Collaboration, Problem-Solving

VOLUNTEER CONTRIBUTIONS

Startup Showcase Volunteer

July 2025

Science Discovery Zone (SDZ)

Toronto, Ontario

- Welcomed guests into the venue, creating a warm, friendly atmosphere upon arrival
- Assisted in managing attendee check-in and orientation, ensuring a smooth event experience
- Engaged directly with members of the SDZ network, building professional connections and rapport

Nour Haj I.

PROFESSIONAL SUMMARY

Graduate student in Biotechnology Management with a strong foundation in scientific research and healthcare innovation. Experienced in research coordination, data management, and applying healthcare knowledge to support patient-focused initiatives and evidence-based practices. Proven leadership through roles in R&D, marketing, and community initiatives, with strong communication and organizational skills. Dedicated to bridging science, healthcare, and business to drive innovation and results.

AREAS OF EXPERTISE

- | | | | |
|------------------------------------|-----------------|---------------------------------|------------------------------------|
| ✓ Data Management | ✓ PCR & qPCR | ✓ DNA/RNA Extraction | ✓ Gel Electrophoresis |
| ✓ Statistical Analysis (R, Excell) | ✓ GLP Awareness | ✓ Microscopy and Flow Cytometry | ✓ Aseptic Technique & Cell Culture |

EDUCATION

Master of Biotechnology Management Expected Graduation June 2027 (Eligible for work May 2026)
York University, Markham, Ontario

Relevant Courses:

Laboratory Skills in Biotechnology: Gaining hands-on experience in biotechnology practices, including aseptic techniques, cell culture, recombinant DNA methods, and bioprocess design with ethical and practical applications.

Operations Management: Developed Excel skills in functions such as VLOOKUP, SUMIFS, and VBA to enhance data management.

Bachelor of Life Sciences Graduation June 2025
University of Toronto, Toronto, Ontario

AWARDS & FUNDING

Co-operative Education and Work-Integrated Learning Canada (CEWIL Canada) Grant 2025
(curricular WIL experience) 2025
University of Toronto, University College Merit Award

PROFESSIONAL EXPERIENCE

Graduate Project Consultant September 2025 – Present
3W Healthcare – CEWIL Industry Partner Project Markham, Ontario

- Partnered with 3W Healthcare to address operational risks and compliance challenges caused by outdated manual audits of first aid kits.
- Conducted competitor benchmarking and regulatory analysis across 5+ healthcare standards, identifying adoption barriers and defining product requirements.
- Collaborated with a graduate consulting team to design a sensor-enabled smart first aid kit solution and drafted a commercialization roadmap projected to cut manual audit time by 70% and reduce downtime costs by 15–20%.
- Produced a business case highlighting cost savings, improved compliance, and reduced downtime, directly supporting the partner's exploration of product launch feasibility.

Research Assistant July 2024 – Present
Heal for Health Ontario Toronto, Ontario

- Addressing global gaps in diagnostic access by conducting a systematic review and meta-analysis on Chagas disease.

Nour Haj I.

- Coordinated a research team of four, managing screening, data extraction, and quality assessment for 100+ studies.
- Performed quantitative analyses (sensitivity/specificity, meta-analytic models) and interpreted findings.
- Co-authoring a peer-reviewed publication to advance evidence-based recommendations for diagnostic accessibility

Health Attendant

June 2025 – August 2025

Tamwood Summer Camp

Mississauga, Ontario

- Ensured the health and safety of 150+ campers during overnight camp sessions.
- Provided first aid, administered medications, and maintained accurate daily health documentation.
- Reviewed medical histories to anticipate care needs and coordinated with external clinics when necessary.
- Prevented escalation of 50+ potential health incidents and facilitates timely insurance claims, ensuring uninterrupted camp programming.

Residence Life Coordinator

September 2022 – April 2025

University of Toronto (University College)

Toronto, Ontario

- Oversaw residence facilities and student safety for 300+ residents.
- Managed 50+ maintenance and safety-related calls to ensure prompt resolution of facility issues.
- Implemented wellness initiatives and first aid facilitation in alignment with campus safety guidelines.
- Improved response times for urgent calls by 40% and strengthened overall residence safety culture

Pharmacy Assistant

May 2022 – August 2022

Apoteksgruppen

Stockholm, Sweden

- Supported pharmacists in delivering efficient, patient-centered service in a high-volume pharmacy.
- Consulted with ~8 patients/hour on over-the-counter medicines, educating them on safe and effective use.
- Processed 20+ daily prescriptions and managed inventory to ensure continuous medication availability.
- Achieved a 98% patient satisfaction rate and maintained consistent pharmacy operations.

PROFESSIONAL DEVELOPMENT

- **SAJE Vital Signs**
First Aid & CPR Certification 2024-2026
- **SafeTALK**
Suicide Prevention Certification 2025
- **BioTalent**
Biotechnology Essential Skills Fundamentals (GMP, GLP, GCP, QA/QC, Scientific Documentation) 2025

VOLUNTEER CONTRIBUTIONS

Emergency Room Volunteer

January 2025 – Present

Toronto General Hospital

Toronto, Ontario

- Maintaining a patient-centered approach, offering support based on individual preferences and requests.
- Shadowing Triage Nurse and aiding with patient care
- Acting as a liaison between patients, families, and healthcare staff, ensuring effective communication of patient needs, concerns, and requests.

Educational Resource Volunteer
October 2022 – Present

Let's Talk Science

Toronto, Ontario

- Led maths and science related educational activities to under-served students in middle school and high school
- Motivated and inspired over 50 young students both virtually and in person through STEM programs and activities

Marketing Director

June 2024 – April 2025

University of Toronto Pre-Medical Student Association

Toronto, Ontario

Responsible for promoting UTPMSA events to students through Instagram, email, and on campus (in classrooms, etc).

- Manage the club's social media accounts and students' inquiries.

Sakina A. S.

PROFESSIONAL SUMMARY

Graduate student in the Master of Biotechnology Management program at York University with a strong foundation in biotechnology, clinical research, Market Access Strategy and data management. Recognized for academic excellence on the Dean's Honour List and hands-on experience supporting clinical trials at PHRI. Skilled in regulatory compliance, reimbursement strategy, eTMF, CTMS, and data analysis tools including Excel and DataFax. Adept at bridging science and business to drive innovation, quality, and operational efficiency in life sciences.

AREAS OF EXPERTISE

| | | | |
|--------------------------|-------------------------|---------------------|-------------------------|
| ✓ Clinical Research | ✓ Project Coordination | ✓ Documentation | ✓ Logistics |
| ✓ Data Management | ✓ Site Management | ✓ Therapeutic drugs | ✓ MS Office |
| ✓ Market Access Strategy | ✓ Leadership & Training | ✓ Quality Assurance | ✓ Regulatory Compliance |

EDUCATION

Master of Biotechnology Management Expected Graduation June 2027 (Eligible for work May 2026)

York University, Markham, Ontario

Relevant Courses:

Science Communication and Writing: industry-partnered projects, enhancing ability to communicate research effectively to diverse audiences.

Manufacturing & Service Operations Management: Applied advanced Excel functions and VBA coding to automate processes, analyze data, and develop business solutions.

Graduate Diploma in Management

Expected Graduation April 2026

York University, Markham, Ontario

Clinical Research Post-Graduate Certificate-Dean's Honour List

September 2024

Humber College, Toronto, Ontario

Bachelor of (Hons.) Biotechnology

July 2020

Government College University, Lahore, Punjab

Publication 'A Beginner's Guide to Cori's Disease' in the World Journal of Pharmaceuticals and Life Sciences 2019

Demonstrated expertise in Glycogen storage disease III, including its enzyme genetics and population genetics, as well as comprehensive coverage of the disease's morphology and physiology in the article-422 citations

AWARDS & FUNDING

Co-operative Education and Work-Integrated Learning Canada (CEWIL Canada) Grant 2025

Designed a reimbursement strategy for a novel therapy in Canada, including market access landscape analysis, unmet medical need assessments, budget impact projections and payer value communication.

PROFESSIONAL EXPERIENCE

Clinical Research Coordinator-Internship

September 2024 – January 2025

Population Health Research Institute

Hamilton, ON

Supported clinical operations and data management for DETECT-POAF multi-centre cardiac trial. Contributed to monitoring, TMF maintenance, and regulatory compliance to ensure audit readiness.

- Collaborated with CRAs, sponsors, and site staff to execute CAPAs, resolving protocol deviations and improving compliance across 15+ sites in accordance with GCP and regulatory standards.
- Assisted CRAs with remote and on-site monitoring, source data verification, and discrepancy resolution.
- Maintained TMF and site trackers while coordinating CRA visits and supporting documentation needs.

Sakina A. S.

- Performed edit checks in DataFax to identify programming errors, resolve queries, and ensure clean datasets.

Operational Manager

October 2020 – November 2023

6IX Fried Chicken

Toronto, ON

Oversaw day-to-day operations at 6IX Fried Chicken, ensuring compliance, efficiency, and profitability. Streamlined performance tracking through KPI dashboards, enhancing both team productivity and inspection results.

- Optimized operational workflows and compliance processes, resulting in improved audit/inspection outcomes.
- Developed and implemented KPI dashboards to monitor performance, boosting profitability and efficiency by a 20%.

Research Assistant at Biopharmaceutical Laboratory

January 2019 – June 2020

Centre of Excellence in Molecular Biology

Lahore, Punjab

Collaborated on the development of therapeutic biologics using recombinant DNA technology, with a focus on scalable protein production.

- Conducted upstream and downstream processing of recombinant proteins (e.g., interferons), including expression, harvesting, lysis, purification, and chemical modifications to support biologics development.
- Applied advanced molecular biology techniques (DNA isolation, cloning, transformation, PCR, SDS-PAGE, Western blotting, plasmid prep) to optimize protein expression and analysis.
- Ensured strict compliance with SOPs, regulatory standards, and aseptic techniques, contributing to reproducible results.
- Collaborated with a team of Ph.D. researchers to translate experimental findings into scalable processes aligned with therapeutic drug development.

Vice President-Khorana Society of Biotechnology and Microbiology

June 2019 – June 2020

Government College University Lahore

Lahore, Punjab

Served as Vice President of the Khorana Society of Biotechnology and Microbiology, leading academic and scientific events while fostering collaboration among peers.

- Coordinated and executed 20+ science festivals and academic events, ensuring timely delivery through effective delegation and team collaboration.
- Awarded a Certificate of Appreciation by the Vice Chancellor for outstanding leadership and event management.
- Enhanced public-speaking and communication skills by hosting and moderating events as Stage Secretary.

PROFESSIONAL DEVELOPMENT

- BioReady-BioTalent online courses Sep 2025
- Health Canada Division 5-Drugs for Clinical Trials Involving Human Subjects-The CITI Program Nov 2024
- Tri-Council Policy Statement: Ethical Conduct for Research Involving Humans -The CITI Program Nov 2024
- CANTRAIN Trainings Nov 2024
- Bioethics:The Law, Medicine, and Ethics of Reproduction Technologies and Genetics - Harvard University May 2023
- The Covid-19 Pandemic - Use of mRNA Vaccines- University of Pennsylvania July 2022
- Industrial Biotechnology- The University of Manchester Oct 2021

VOLUNTEER CONTRIBUTIONS

- **Orphanage Teaching** – Taught and mentored underprivileged children, supporting their academic and personal development.
- **Flood Relief Fundraising** – Collected donations and organized community efforts to provide food and essentials for flood-affected families in Pakistan.
- **Shaukat Khanum Cancer Hospital** – Volunteered in patient support and awareness activities, contributing to healthcare and community service.

Tamina T.

PROFESSIONAL SUMMARY

Master's student in Biotechnology Management with a strong foundation in biology, psychology, and chemistry. Experienced in academic research, laboratory work, and teaching assistance with a focus on applying scientific methods to both experimental and field-based studies. Skilled in leadership, communication, and project coordination through professional and volunteer roles. Motivated to advance practical expertise in biotechnology, quality systems, and organizational development while contributing to innovation in healthcare and life sciences.

EDUCATION

Master of Biotechnology Management Expected Graduation June 2027 (Eligible for work May 2026)
York University, Markham, Ontario

Relevant Courses:

Science Communication and Writing: Developing skills in science writing, presentations and digital communication.

Introduction to Biotechnology Practices: Gaining theoretical foundation and practical knowledge in biotechnology, including latest discoveries, and consideration of scientific, ethical and social issues.

Graduate Diploma in Management Expected Graduation April 2026
York University, Markham, Ontario

Relevant Courses:

Manufacturing & Service Operations Management: Studying qualitative and quantitative models to analyze and improve efficiency in manufacturing and service operations.

Management Information Systems: Gaining knowledge of key organizational information systems and strategies for managing them effectively.

Honours Bachelor of Science in Biology and Psychology – Minor in Chemistry and Business Management May 2025
Wilfrid Laurier University, Waterloo, ON

Relevant Courses:

Field Ecology: Conducted species identification and ecological assessments in field environments, emphasizing teamwork and applied biological research.

Seminar in Cognitive Psychology: Explored cognitive processes in autism spectrum conditions, analyzing how individuals perceive, process, and respond to information differently.

Research in Behavioral Neuroscience: Gained hands-on experience in experimental design, pharmacological analysis, and techniques for monitoring and manipulating neural activity.

AWARDS & FUNDING

Co-operative Education and Work-Integrated Learning Canada (CEWIL Canada) Grant 2025
(curricular WIL experience)

Dean's List Recipient 2023-2025

PROFESSIONAL EXPERIENCE

Biotechnology Management Consultant (Capstone Project) Sept 2025 – Present
SPEC Labs Toronto, ON

- Collaborating with a graduate consulting team to guide a new CL2 wet lab facility toward GDP and GLP compliance by assessing documentation systems, SOPs, safety protocols, and equipment maintenance records.
- Identifying operational gaps and benchmarking best practices tied to federal licensing and regulatory standards.
- Designing an actionable roadmap with practical tools and strategies to ensure regulatory readiness while maintaining agility and innovation.

Learning & Organizational Development Intern May 2025 – Present
Toronto Community Housing Toronto, ON

- Support training and organizational development initiatives by coordinating resources, managing program logistics, and ensuring efficient project delivery.

Tamina T.

- Assist in the creation and improvement of learning materials, contributing to the professional growth of staff across departments.

Instructional Assistant

Sept 2023 – Dec 2024

Wilfrid Laurier University

Waterloo, ON

- Facilitated tutorial sessions, clarified complex concepts in biology, and graded assignments to support student learning.
- Collaborated with professors to ensure course delivery aligned with departmental standards.

Lab Assistant

September 2022 – April 2024

AquaSong Outreach Program

Waterloo, ON

- Conducted over 200+ water quality assessments for ongoing research on aquatic sustainability, directly contributing to a peer-reviewed study on waterborne contaminants.
- Managed and optimized a \$10,000+ laboratory inventory system, ensuring 100% accuracy in tracking supplies and eliminating delays in research projects.

PROFESSIONAL DEVELOPMENT

- 2025 Ideas to Action Life Science Forum, Accelerating Competitiveness: Reimagining Ontario's Life Sciences in a Changing World | Life Science Ontario | Toronto, Canada | Conference
- BioTalent Fundamentals | Canada | 2025
- Nano Tips for Effective Collaboration | LinkedIn | Course
- Understanding Confidentiality and Nondisclosure Agreements | LinkedIn | Course

VOLUNTEER CONTRIBUTIONS

Student Representative | Laurier Department of Biology | Sept 2024- May 2025

- Developed and presented proposals that helped secure funding for new research equipment in biology labs, benefiting 500+ students annually.
- Advocated for student needs and academic concerns, contributing to curriculum enhancements and policy changes at Faculty of Science Council meetings.

Director of Outreach | UNICEF Laurier | Sep 2023- May 2025

- Raised \$5,000+ in donations through campus-wide fundraising campaigns, directly supporting global child welfare initiatives.
- Delivered interactive workshops and presentations to 100+ students on global issues such as child labor, education access, and healthcare disparities.

Community Outreach Council | Leadership Program | Sep 2021- May 2022

- Collaborated with peers to plan and promote community engagement programs for first-year students.
- Facilitated connections between students and the Kitchener-Waterloo community through events and initiatives.

TECHNICAL SKILLS

- **Scientific & Research Tools:** Lab-based data collection, ecological field methods, microscopy, SPSS, Microsoft Excel (PivotTables, formulas, data validation)
- **Project & Collaboration Tools:** Microsoft 365 (Word, PowerPoint, Outlook), Google Workspace (Docs, Sheets, Slides), project coordination
- **Communication & Interpersonal Skills:** Scientific writing, presentation skills, teamwork, community engagement
- **Regulatory & Organizational Knowledge:** Understanding of compliance frameworks, accessibility standards, and organizational operations

Tasnim I.

PROFESSIONAL SUMMARY

Master's student specializing in Biotechnology Management with a foundation in molecular and biomedical sciences, aspiring to utilize the innovative potential of biotechnology to diminish health disparities worldwide. Well-versed in utilizing analytical tools for data interpretation, highly collaborative project management skills, and applying fundamental laboratory techniques in drug development. Experienced in regulatory compliance, R&D, and clinical trial processes. Eager to be an innovative player in the field of biotechnology.

AREAS OF EXPERTISE

| | | | |
|-----------------------|----------------------|-------------------------|-----------------|
| ✓ Analytical Thinking | ✓ Molecular Biology | ✓ Scientific Writing | ✓ Innovation |
| ✓ Data Analysis | ✓ Project Management | ✓ Commercialization | ✓ Collaboration |
| ✓ Market Access | ✓ Pharmacovigilance | ✓ Regulatory Compliance | ✓ DNASequencing |

EDUCATION

Master of Biotechnology Management Expected Graduation June 2027 (Eligible for work May 2026)
York University, Markham, Ontario

Relevant Courses:

Data Analysis & Product Development in Biotechnology: Utilize statistical tools for data analysis and introduction to product commercialization

Laboratory Skills in Biotechnology: Fundamental skills in lab techniques, experimental design, and effective communication in biomedical research

Research and Development in Biotechnology: Emphasis on drug development processes including regulatory compliance, clinical trials, and good manufacturing practice (GMP)

Graduate Diploma in Management Expected Graduation April 2026
York University, Markham, Ontario

Honours Bachelor of Science – Forensic Biology Specialist Graduated June 2022
University of Toronto, Mississauga, Ontario

AWARDS & FUNDING

Co-operative Education and Work-Integrated Learning Canada (CEWIL Canada) Grant 2025

PROFESSIONAL EXPERIENCE

Graduate Consultant – Supply Chain and Commercialization Strategy September 2025 – December 2025
ALT-PRO Advantage (York University CEWIL Project) Markham, Ontario

Partnered with a graduate team and industry leaders to design a comprehensive supply chain playbook, integrating commercialization strategies to support multi-channel growth, scalable inventory processes, & decision frameworks.

- Facilitating market research regarding supply chain standard operating procedures and developing frameworks for scaling logistics, inventory management and forecasting, and standardized KPIs to ensure continuous improvement and scalability
- Managing timely delivery of project deliverables including a completed supply-chain playbook while maintaining continuous communication between industry partners to ensure the alignment and achievement of project goals

Unit Coordination Assistant – Intensive Care Unit (ICU) July 2023 – November 2023
Trillium Health Partners (Mississauga Hospital) Mississauga, Ontario

Delivered clerical support in the ICU as the point of contact for administrative coordination. Supported staff in providing patient-centered care by managing patient flow, interdepartmental liaison, and maintaining efficient clinical operations.

- Collaborated with clinical staff to complete operational tasks such as patient admission/discharge, medical records management, staff scheduling, and resource management ensuring efficiency and patient-centered care
- Leveraged EPIC/CCIS software to coordinate patient flow, schedule appointments, input service task orders, and track real-time patient data to improve resource allocation, streamline workflows, strengthen cross-functional coordination

Tasnim I.

Regional Death Investigation Administrator Office of the Chief Coroner

November 2022 – May 2023
North York, Ontario

Supported the coroner's office in the Region of Hamilton, Ontario with administrative support regarding death investigations. Utilized legislative and policy knowledge when liaising with internal and external stakeholders and handling sensitive case information.

- Coordinated communication with stakeholders on death investigations and regulated documentation via case management systems and Outlook, ensuring timely and accurate correspondence, processing of documentation requests, and invoices
- Reviewed and managed confidential documentation (e.g. coroner's preliminary reports) using QuinC and CIS, maintaining data integrity and quality assurance, and expedited turnover to investigation reports and requests

Student Laboratory Assistant

May 2022 – August 2022

Ontario Forensic Pathology Service (OFPS)

North York, Ontario

Worked alongside forensic services technologists (FSTs) in supporting post-mortem examinations and death investigations through case data and biological and non-biological sample management, coordinating closely with internal and external stakeholders.

- Supported FSTs in a forensic laboratory with preparation and organization of biological samples for storage or for transport while utilizing quality compliance and laboratory protocols ensuring accurate and safe sample management
- Completed data entry, updating, and/or uploading of decedent records using electronic systems such as F-Path, QuinC, and Pathology Information Management System (PIMS) while maintaining confidentiality, accuracy, and documentation protocol
- Coordinated with a cross-functional team to manage tasks such as evidence return, packing DNA kits, prep for neuropathology or cardiology consults, review warrants etc., supporting case progression and maintaining operational efficiency

Forensic Biology Research Intern

June 2021 – April 2022

Ontario Forensic Pathology Service (OFPS)

North York, Ontario

Supported the Manager of Laboratory, Forensic Evidence, and Facilities Services at the OFPS to revise a proposal on DNA Banking Strategy to aid in identification of unidentified bodies and integrate with INTERPOL's global database for kinship matching

- Conducted research on DNA Banking strategies by developing ethics proposals and literature reviews, completing data collection, and statistical analysis with PCAST; Presented results as a critical review paper and professional presentation
- Delivered findings as an expert witness testifying in a cross examination in a mock court, strengthened professional presentation skills and conveying scientific research to various audiences

PROFESSIONAL DEVELOPMENT

- **Ideas to Action Forum** | Life Science Ontario, 2025
- **BioTalent Fundamentals Certification (Numeracy, Communication, etc.)** | BioTalent Canada, 2025
- **Understanding Confidentiality and Nondisclosure Agreements Certificate** | LinkedIn, 2025
- **Indigenous Health Equity Course** | Public Health Training for Equitable Systems Change, 2022
- **Medical Terminology Certification** | The Michener Institute of Education at UHN, 2022
- **Blood-Borne Pathogen Training & WHMIS Training** | University of Toronto Mississauga, 2022
- **Standard First Aid & CPR Level C with AED Certification** | Canadian Red Cross, 2022-2025

ADDITIONAL EXPERIENCE

COVID-19 Medical Screener, Trillium Health Partners (Mississauga Hospital)

January 2022-May 2022

COVID-19 Vaccine Clinic Volunteer, Region of Peel (Brampton)

June 2021

Contact Details

Thank you for reviewing the 2025 - 2026 MBM Résumé Book.

For more information on how to hire MBM Students, please contact:

Co-op & Career Centre, MK 3040

Markham Campus

hiremarkham@yorku.ca

Contact Number: 437-241-6135



yorku.ca/markham/employer-partners/

Land Acknowledgment

York University recognizes that many Indigenous Nations have longstanding relationships with the territories upon which its campuses are located. We acknowledge that our Markham Campus is situated upon traditional territories of the Anishinaabe Peoples and of the Haudenosaunee Peoples. These territories are covered by the Upper Canada Treaties. The First Nations community in closest proximity to the City of Markham are the Chippewas of Georgina Island.

Pronunciation

Anishinaabe: (an-ish-in-aabe)

Haudenosaunee: (hoodt-en-oh-show-nee)

Chippewas: (chip-i-waas)

York University Markham Campus

1 University Boulevard, Markham, ON L6G 0H2

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