

# AYAN MUSSE

## CONTACT INFORMATION:

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87 Neeve Street, Guelph Ontario

## SKILLS:

**Programming Languages:** Java, JavaScript, C#, SQL, Unix/Linux

**Database Technologies:** MySQL, MongoDB, Oracle, Power BI, LIMS

**Version Control:** Git, Agile  
Methodologies: Scrum, Kanban.

**Soft Skills:** Strong problem-solving and analytical skills. Excellent communication and leadership abilities. Six Sigma White Belt

## EDUCATION:

**Advanced Diploma: Software Engineering Technology CO-OP**  
Centennial College, Toronto, ON  
**Expected Graduation:** April 2026  
**Current GPA:** 4.3/4.5

**Bachelor of Science: Biological Science, Minor: Sociology**  
University of Guelph, Guelph, ON  
September 2018 - April 2023

## REFERENCES:

Available upon request

## PROFESSIONAL SUMMARY:

Data-driven Biological Sciences graduate with strong analytical and problem-solving skills, experienced in managing complex datasets, collaborating with multidisciplinary teams, and applying research methods to real-world problems. Skilled in data analysis, programming, and laboratory technologies with a proactive approach to continuous learning and teamwork.

## WORK EXPERIENCE:

### MICROBIAL LABORATORY TECHNICIAN

Maple Leaf Consumer Foods Inc., Aberfoyle, Ontario  
September 2019 - Present

- Researched, evaluated, and implemented sustainability initiatives impacting three laboratories.
- Maintained organized records and communicated critical information to stakeholders, ensuring transparency.
- Streamlined data compilation and analysis to produce detailed reports supporting business decisions.
- Collaborated to develop an online database integrating 15+ years of results, improving data accessibility and management.
- Ensured compliance with good laboratory practices, SOPs, GMP, and ISO 17025 standards.
- Automated data review processes to reduce errors by 15% and boost reporting efficiency via Power BI and MATLAB tools.

### PHARMACY ASSISTANT

Green Cross Pharmacy, Brampton, Ontario  
January 2023 - December 2024

- Conducted medication state assessments and communicated updates on recalls and side effect changes to stakeholders.
- Collected client feedback via multiple channels, improving service quality.
- Processed prescriptions accurately, complying with regulatory standards.
- Supported pharmacy team operations to enhance efficiency and customer satisfaction.
- Managed scheduling and organizational duties for unit meetings.

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## WORK EXPERIENCE:

### MARKET RESEARCHER - INTERNSHIP

Waterlix, Cambridge, Ontario

February 2023 - July 2023

- Contacted conservation areas and municipalities to assess water management needs.
- Analyzed budgetary and operational data of environmental organizations.
- Communicated with diverse stakeholders to gather insights supporting project goals.
- Coordinated tasks with team members ensuring timely project delivery.

## HIGHLIGHTS OF QUALIFICATIONS:

- Prioritized and completed multiple deadline-driven projects, increasing operational efficiency by streamlining workflows adopted across two laboratories.
- Identified and resolved data inconsistencies in LIMS, enhancing data integrity and laboratory process reliability.
- Spearheaded a sustainability initiative that reduced solid waste by 452 items weekly, promoting environmental responsibility.
- Delivered presentations on 5-year biological data trends to 35+ stakeholders, supporting data-driven decision-making.
- Led development of an online database integrating over 15 years of data, improving data accessibility and analysis speed.
- Proficient in molecular biology platforms (VIDAS, BAX, qPCR), Power BI dashboards, MATLAB data processing, and programming in JavaScript, HTML, CSS, with ongoing Java learning.

## RELEVANT COURSES:

Programming I & 2	Software Engineering Fundamentals	Client-Side Web Development
Unix/Linux Operating Systems	Advanced Database Concepts	Java Programming
Software Testing and Quality Assurance	Software Testing & Quality	Research Methods

## PROFESSIONAL DEVELOPMENT

<b>Data Engineering on Microsoft Azure</b>   Microsoft	<i>In-Progress</i>
<b>Introduction to Azure Fundamentals</b>   Microsoft	<i>In-Progress</i>

## ACADEMIC PROJECTS:

- Developed a real-estate website with integrated database backend; created a mobile app managing fridge contents to reduce food waste.
- Analyzed multi-year biological assay data to detect trends impacting lab processes.