AYAN MUSSE

CONTACT INFORMATION:

+1 (226) 500-1410
musse.ayan@icloud.com
Toronto 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

- 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

- 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

- 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

Data Engineering on Microsoft Azure | Microsoft   *In-Progress*

Introduction to Azure Fundamentals | Microsoft   *In-Progress*

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.