

MAHMOUD "Mo" YOUSIF

Toronto, ON

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Technical Skills

Programming Languages: Python, Java, JavaScript, SQL, R, HTML/CSS, TypeScript, C/C++

ML & Data Science: TensorFlow, Scikit-learn, Pandas, NumPy, GenAI/LLMs, AI Agents, Statistical Modeling, A/B Testing

Cloud & Platforms: AWS (SageMaker, Bedrock, S3, Athena, Glue), Tableau, PowerBI, Salesforce, Collibra, Apache Airflow

Tools & Frameworks: Git, React, Node.js, Redis, REST APIs, CI/CD, Docker, Jupyter

Experience

Advanced Analytics & BI Intern (ML & AI Focus)

May 2025 – Aug 2025

Sun Life (Dean Connor Scholarship)

Toronto, ON

- Selected as **1 of 6 students** to receive **BOLDER Award** from 2025 summer cohort for exceptional performance and innovation
- Rebuilt DDN monitoring dashboards serving **290+ advisors** from unreliable legacy systems to scalable **AWS S3-Athena** architecture
- Developed **GenAI solutions and AI agents** using **AWS SageMaker/Jupyter**, automating underwriting data extraction from hours to minutes
- Built automated **ETL workflows** in AWS Glue and created Tableau dashboards, enabling real-time business insights

Data Engineering Intern

Dec 2024 – Apr 2025

CIBC

Toronto, ON

- Engineered automated **ETL processes**, solving complex data pipeline challenges and reducing manual effort by **40%**
- Collaborated with cross-functional teams using **Agile methodologies** to deliver BI enhancements across multiple business units
- Developed **Tableau dashboards** with **AI-powered analytics**, improving business decision-making speed by **25%**

QA Developer Intern

Sep 2024 – Dec 2024

CIBC

Toronto, ON

- Developed internal **project management tools** from concept to deployment, boosting user adoption by **30%**
- Implemented **CRM support ticketing system**, reducing response times by **20%** and improving customer satisfaction
- Created robust **testing frameworks** using **Python** and **Selenium** to ensure high-quality software delivery

Data Developer Intern

Jun 2024 – Aug 2024

Delton Glebe Counseling Centre

Toronto, ON

- Built secure **client data management system** from scratch using **Python** and **SQL**, handling sensitive healthcare data
- Implemented **privacy-preserving techniques** protecting sensitive data while enabling valuable insights for clinical decision-making
- Owned full **development lifecycle** from requirements gathering to deployment and user training

Projects

GenAI Mentorship Matching Platform | Python, AWS Bedrock, NLP

2025

- Developed **AI-powered platform** using **AWS Bedrock** to automatically match co-op students with mentors, achieving **85%** satisfaction rate
- Won **Sun Life DBTS Hackathon** for innovative AI application in HR processes, designed for Workday integration to improve onboarding by **40%**

Stock Market Data Analysis Tool | Python, TensorFlow, Financial APIs

2023 – 2024

- Architected **real-time data processing system** using **Python** to analyze financial data from multiple APIs, achieving **78%** prediction accuracy
- Created dynamic **JavaScript visualizations** and interactive dashboards to enhance investment decision-making for **100+** users

E-commerce Platform Prototype | React, Node.js, Redis, Stripe

2024

- Built full-stack platform using **React** frontend and **Node.js** backend with **Stripe API** integration and **Redis** caching for optimized performance

Leadership / Extracurricular

Vice-President of Finance | Sudanese Association Club, Wilfrid Laurier University

Sep 2023 – Present

- Led technical platform development using **SQL** and **Python**, automating financial tracking systems for **\$6,000+** in fundraising revenue
- Implemented **PowerBI dashboards** for real-time budget analysis, improving operational efficiency by **30%** and supporting civil war relief efforts

Hackathon Participant | Amazon Robotics Hackathon, Wilfrid Laurier University

Feb 2024

- Collaborated in cross-functional team to prototype autonomous logistics solution using **Python**, **Java**, and **computer vision algorithms**

Education

Wilfrid Laurier University

2022 – 2026

Bachelor of Computer Science (Honors Co-op), Minor in Financial Mathematics

Waterloo, ON

- Dean's List — Relevant Coursework:** Machine Learning, Data Mining, Algorithm Design & Analysis, Software Engineering, Big Data Programming