

Mohamed Y. Shehto

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EDUCATION

University of Western Ontario

London, Ontario

B.S. in Software Engineering

Expected Graduation, May 2027

- o **Related Coursework:** Data Structures & Algorithms, Software Design, Intro to Scripting, Software Construction, Probability and Statistics for Engineers

SKILLS

Languages: Java, Python, JavaScript, HTML/CSS, SQL, NoSQL, React, NodeJS, C#

Technology/Frameworks: AWS, Lambda, PyTorch, S3, Gemini API, Meta Cloud, Open AI API, Electron

EXPERIENCES

Thing Logix Inc.

San Francisco, CA

Software Engineering Intern (Remote)

May 2025 – Aug 2025

- Helped engineer a **Python-based robot using PyTorch** to detect spills and dirty areas in Sahara Mall's food court via **supervised learning on labeled camera footage**, and integrated an alert system to notify janitorial staff in real-time.
- Cleaned and re-balanced the training dataset, removing samples, correcting labels, and augmenting minority classes, which **eliminated overfitting** and restored the spill-detection **model's real-world accuracy from 66 % to 92%**, fully meeting the client's SLA.
- Contributed to the deployment of a **cloud-based satellite data platform** for the **Saudi Space Agency using AWS (EC2, S3) and Open Data Cube**, enabling secure access to Sentinel and Landsat datasets; delivered a proof of concept for water quality monitoring that streamlined satellite data analysis for **over 150 users across government agencies, universities, and science centers**.

Ozone Technology

Riyadh, KSA

Project Intern

Apr 2025 – May 2025

- Managed the end-to-end project that secured ISO 27001 and ISO 9001 certifications **44% faster than the industry average**.
- Created and presented a **comprehensive Business Charter and Business Case to the CEO** to demonstrate the strategic impact of ISO certification on operational efficiency and market positioning.
- Oversaw CRM system operations supporting **15+ employees and 160+ active deals**, ensuring data accuracy and workflow efficiency.

Chatbot SAAS

Toronto, Canada

Co-founder

Dec 2024 – Present

- Architected a **cross-platform desktop app using React, Electron, and a FastAPI/Python** backend that embeds company documents into a FAISS vector store; enables employees to **chat with an agentic GPT-powered assistant** that answers questions in English & Arabic.
- Operationalized secure document retrieval by integrating **AWS S3** presigned-URL uploads/downloads, role-based access via **AWS IAM, and per-conversation encryption**.
- Closed trials **with three regional tech firms** by showcasing custom-branded chat UI, on-prem indexing option, and embeddings that update incrementally.

Projects

QR Code Wedding Invitations

Riyadh, KSA

Self-initiated Project

Dec 2024 – Present

- Built a **full-stack, serverless invitation management platform** for an invitation company using **AWS Lambda, DynamoDB, API Gateway, S3, and Meta's WhatsApp Cloud API**, enabling seamless invitation delivery and check-in tracking for **500+ guests per event**.
- Developed a dynamic **QR code system in Python**, encoding guest metadata (name, phone number, attendance status), storing invitations in DynamoDB, and distributing them via WhatsApp using **Meta's Cloud API**.

ACTIVITIES AND LEADERSHIP

Seniors in IT

London, Ontario

Club Member

Sep 2024 – Present

- Provided hands-on assistance to seniors in resolving various tech-related issues, including navigating smartphones, troubleshooting computers, and setting up email and online accounts.
- Demonstrated patience and empathy while building trust and confidence among senior participants in their ability to use technology effectively.