Mohamed Y. Shehto

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EDUCATION

University of Western Ontario **London, Ontario**

B.S. in Software Engineering *Expected Graduation, May 2027*

- **GPA:** 3.82/4.00
- **Related Coursework:** Data Structures & Algorithms, Software Design, Intro to Scripting, Software Construction, Probability and Statistics for Engineers

SKILLS

Programming: AWS, Java, Python, JavaScript, HTML/CSS, SQL, NoSQL, Lambda, React, PYGame, NodeJS, INTELLIJ, DynamoDB,

EXPERIENCES

Thing Logix Inc. **San Francisco, CA**

Software Engineering Intern (Remote) *May 2025 – Aug 2025*

- Helped engineer **a Python-based robot using TensorFlow and OpenCV** to detect spills and dirty areas in Sahara Mall's food court via **supervised learning on labeled camera footage**, integrated an alert system to notify janitorial staff in real-time, **reducing incident response time by 60%** and improving **workflow coverage across 5+ cleaning zones**
- 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**
- Engineered a **full-stack GenAI chatbot** for the Ajman Department of Human Resources, **integrating OpenAI LLMs with HR systems and multilingual knowledge bases** to automate employee support; deployed across Slack and WhatsApp, **serving 4,000+ users and reducing manual HR queries by 30%**

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
- Led **weekly sales strategy meetings** with the CEO and COO to drive alignment on pipeline performance and growth priorities

Daawa **Riyadh, KSA**

Founding Engineer *Dec 2024 – Present*

- Built a **full-stack, serverless invitation management platform** for Daawa 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** and approved message templates.
- Enforced secure access through **AWS IAM**, implementing role-based permissions for Lambda execution, **DynamoDB writes, and S3** access to protect guest data and limit API exposure.
- Designed a mobile-friendly check-in web app using **JavaScript and HTML,** connected via API Gateway to a Lambda backend that updates **real-time attendance in DynamoDB**; optimized for low latency and high availability.

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.