

Mohammed Ahmed Lakdawala

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EDUCATION

Toronto Metropolitan University

Toronto , ON

Bachelor of Science in Computer Science

Graduating in June 2028

Relevant Courses: Data Structures & Algorithms , Object Oriented Programming, Operating Systems, CyberSecurity

SUMMARY OF QUALIFICATIONS

Enthusiastic Computer Science student with **5+** hackathons and case competitions, combining strong technical execution with the ability to communicate complex ideas clearly. Experienced in building projects across **computer vision** , **mobile** and **backend development**, with a focus on scalable AI systems. Interested in applying my hybrid skills across **Data Engineering**, **Software Engineering**, and **AI Engineering**, while driving impact through both technical innovation and cross-functional collaboration.

EXPERIENCE

AI Engineering Developer Intern

May 2026 - Present

InteCorr Partners

Toronto, ON

- Architected a low-latency, permission-aware RAG platform with direct SharePoint integration, reducing retrieval times to **0.5s** and outperforming MCP-based solutions by **5×**.
- Engineered Azure AD identity and access infrastructure for secure SharePoint ingestion, permission-aware file sharing, and automated synchronization, ensuring compliant and consistent data access.
- Built **5+** Supabase Edge Functions for embedding pipelines, chat orchestration, and access-control synchronization, enabling scalable enterprise search.

AI Engineering Developer Intern

Jan 2026 - April 2026

Government of Ontario - Ministry of Public and Business Service Delivery and Procurement

Toronto, ON

- Prototyped, Identified and analyzed LLM solutions and solutions to produce documentation on a multi-agent **GenAI** system to guide non-technical stakeholders on **6+** AI agents and their use cases.
- Ran experiments on **RAG** agents by utilizing complex prompts and analyzing logs to see how the agent rephrases the question with previous memory context, based on that enforced **guardrails** to **fine-tune** the system leading to **50%** increase in consistency and **70%** reduction in hallucinations
- Implemented automated testing with **Pytest** for the **document-generation LLM agent** by testing the request body of the API for mock tests, bug detection and API responses reducing bugs by **35%** and leading to better overall performance

Junior Software Developer

Sep 2025 - Dec 2025

Government of Ontario - Ministry of Public and Business Service Delivery and Procurement

Toronto, ON

- Built scalable **C#/.NET** web applications using **ASP.NET Blazor** with **RESTful API** integrations within **distributed systems**, improving system performance by **40%**.
- Utilized **OpenAPI** through **Swagger** to test RESTful API responses enhanced debugging and manual testing reducing response errors by **60%**

PROJECTS

DermaDetect - Hackathon Project

Tech: Python, Tensorflow, , Flask , NumPy , OpenCV, React Native , Gemini

- Trained a deep learning model using **TensorFlow** and **PyTorch** on **7,000+** medical images of **7+** skin diseases getting a model accuracy of **63%**, confirmed **confusion matrix** testing

TECHNICAL SKILLS

Programming Languages: Java, Python, C#, SQL, JavaScript, HTML, CSS

Frameworks/ Libraries: React, React Native, Node.js, Flask, Express.js, Django , .NET, Matplotlib, NumPy

Developer Tools: Git, Postman, OpenAPI/Swagger, Hugging Face, Databricks, Supabase, Microsoft Power Platform

Cloud Services: GCP, Azure, AWS

Certifications: Model Context Protocol: Advanced Topics, Claude Code in Action, Claude Code 101