

Wasif Saeed

Toronto, ON

wsaeed@torontomu.ca | 647-916-8452 | LinkedIn: [Wasif Saeed](#) | Github: [Wasif0410](#)

WORK EXPERIENCE

Dayforce (Ceridian), Toronto, ON

Jan 2026 - Sep 2026

Product & AI Developer intern

- Contributed to **GenAI** and **multilingual LLM systems** by refining **15K+ evaluation samples** for **MCP** and **RAG-based AI agents**, improving retrieval grounding and **multilingual response** during prototype testing.
- Applied **ML models**, including **BERTopic topic modelling**, to analyze user interaction patterns and strengthen **intent clustering**, improving classification **quality by ~30%** while reducing manual review effort.
- Leveraged **Databricks** to process millions of product usage events and adoption trends, generating insights that informed **AI feature prioritization** and strategy, contributing to **~20% higher feature engagement**.

IQconsulting, Toronto, ON

May 2025 - Sep 2025

Applied AI Developer Intern

- Developed and deployed **AI prototypes** for the Healthlytics.ai division, integrating **LLMs, TTS pipelines, computer vision**, and a custom **NLP retrieval system** to streamline healthcare automation workflows.
- Managed deployment of AI models and services to **cloud environments** using **Google Cloud Platform (GCP)**, including configuring **virtual machines** and managing compute resources.
- Designed a **full-stack web application** to interface with AI models, building responsive **front-end dashboards** and scalable **backend services** that handled over **5000 API requests** daily.

Saige, Vancouver, BC

Aug 2024 - Oct 2024

Software Developer Intern (Machine Learning/Artificial Intelligence)

- Developed an **AI agent** using **LangChain** to automate search, compare results, and extract structured insights, integrating **semantic retrieval with embeddings** and an **Astra DB vector store** to support **RAG-style workflows** and improve query performance by **50%+**.
- Developed **scalable data pipelines** for **large datasets**, improving processing efficiency by **~35%** and enabling faster, data-driven insights for **ML and analytics teams**.

Royal Canadian Mounted Police (RCMP), Ottawa, ON

May 2024 - Aug 2024

Junior Programmer Analyst (Front-end development)

- Designed a responsive **intranet web interface** using **HTML, CSS, JavaScript**, and **SharePoint**, improving usability and navigation while optimizing **backend data** queries to **reduce retrieval times by 40%**.
- Built **cloud-based workflow automations** with Microsoft Power FX, Python, SQL, and Power BI, integrating enterprise data and reporting pipelines to **streamline approvals** and reduce **processing time by 50%**.

PROJECTS

Korean Food Recognition App | Python, Pandas, PyTorch, OpenCV, Tensorflow, Tkinter, NumPy

- Built an end-to-end **offline image classification app** using a custom **CNN in PyTorch**, achieving **87% test accuracy** across 10 Korean dishes with **sub-200ms local inference time**.
- Engineered a deep **CNN architecture** with **residual-style blocks, adaptive pooling**, and **dropout**, trained using the **AdamW optimizer** and **dynamic learning rate scheduling** for robust performance.
- Applied six custom **data augmentation techniques** (e.g., **mosaic, Gaussian noise, histogram equalization**) to expand a dataset of **1,200+ labelled food images**, improving generalization.

Character One-Shot Classification | Python, NumPy, PIL, SciPy, Matlab

- Developed a **machine learning algorithm** for one-shot classification of **handwritten character images** using **Modified Hausdorff Distance**, achieving reliable similarity measures with **minimal training data**.
- Implemented **image processing** and **distance calculation** functions to convert images into **arrays** of inked **pixel coordinates** and compute the MHD between them.
- Executed **20 test cases** to find the **prediction error rate**, calculating the **average error rate** across multiple runs to evaluate the **system's accuracy** and effectiveness in image recognition tasks.

TECHNICAL SKILLS

Programming Languages: Python, Java, JavaScript, TypeScript, HTML-CSS, JSON, NoSQL, SQL, PHP, C#, C++, Perl, Ruby, Bash, Lisp, ASP, Elixir, Rust, Haskell, Smalltalk, SVG, OpenAI, ChatGPT, N8N, Make

Tools/Frameworks: Git/Github, .NET, Selenium, React, NodeJS, Docker, AWS, Pandas, Matlab, TensorFlow, Linux

EDUCATION

Toronto Metropolitan University, Toronto, ON

Expected: April 2027

Bachelor of Science, Computer Science (B.Sc. | Co-op Program)

- CGPA:** 3.89/4.33 | Dean's List | **Selected Exchange Scholar at Chung-Ang University, South Korea**
- Coursework:** Data Structures & Algorithms, Operating Systems, Discrete Math/Structures, Probability and Statistics, Linear Algebra, Intro to Unix/C/C++, Web Systems Development, Database Systems