

# Adel Faruque

📞 647-657-2215 | 📩 adelfaruque1@gmail.com | 💬 linkedin.com/in/adel-faruque | 🌐 AdelFaruque.me | 🤖 GitHub

## Education

### Bachelor of Engineering, Computer Engineering

Toronto Metropolitan University (Ryerson University)

Toronto, ON

Graduation Date: Apr 2027

## Experience

### Competitions Team VP

Metropolitan Engineering Competition

Feb 2023

Toronto, ON

- Coordinated the design and implementation of several competition events through zoom and slack, and assisted in budget management for each competition.
- spearheaded competition outreach to the student body through multimedia marketing campaigns to achieve an overall turnout of **over 200 students** across all competitions.
- Oversaw competition implementation and contingency troubleshooting to ensure a smooth event experience for all guests.

### Marketing Ambassador

TMU Wave Underwater Robotics Team

Dec 2024 –

Toronto, ON

- Collaborated with a group of peers to script, draft, film, and edit multi-part marketing materials for school outreach
- assisted in managing multiple social networking sites for the group such as Instagram, LinkedIn and the school's email newsletter

## Projects

### Colligo | Next.js, Sass, Python, Django, PostgreSQL, Docker, Supabase

Mar 2024

- A progressive web app aggregating tech jobs, offering advanced search filters, insights, and application management.
- **Automated** collection and processing of **5k+** job postings from career sites, ensuring clean data storage in a **PostgreSQL** database.
- Designed a minimal, front-end **user interface** leveraging a **GraphQL server** for efficient data acquisition from the backend server.
- leveraged lightning fast **GraphQL caching** and querying to implement a live filtering feature allowing for instant and dynamic position searching via multiple metrics

### Live ASL Translator | PyTorch, OpenCV, Google Mediapipe, Data Processing, Neural Networks, Computer Vision

June 2025

- A real-time **computer vision system** for American Sign Language recognition, classifying static ASL letters while rejecting non-sign gestures using two **custom deep learning models**
- utilizes a **Convolutional Neural Network** and **Google Mediapipe** to find, crop, preprocess, and infer an english letter from ASL signed using a webcam
- uses temporal smoothing and a **custom LSTM text model** to processes and segment the translated caption string of signed letters into a sentence by inferring where spaces should go

## Awards and Certifications

### Getting Started with Deep Learning

December 2025

NVIDIA Deep Learning Institute

- An intuitive ground-up introduction to deep learning and neural networks including micro projects building, training, and refining small scale image-based networks

### OpenCV Bootcamp

Oct 2025

OpenCV University

- Intermediate level experience with Computer Vision oriented Python library
- Covered topics such as Computer Vision, Digital Image Processing, Object tracking, Post Processingx

## Skills

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

**Frameworks & Developer Tools:** React, Next.js, Django, PyTorch, OpenCV, NumPy, Tailwind, Git, Docker