**NUSEYBA MOHAMMED**
Toronto, ON | [nuseyba.mohammed@torontomu.ca](mailto:nuseyba.mohammed@torontomu.ca)
**Portfolio**: nusu97.github.io/Portfolio/ | **LinkedIn**: linkedin.com/in/Nuseyba | **GitHub**: github.com/nusu97

## HIGHLIGHTS OF SKILLS AND QUALIFICATIONS

- **Programming Languages**: Python, Java, TypeScript, C, SQL, Common Lisp, Bash/Shell
- **Frameworks & Libraries:** React, Next.js, Tailwind CSS, TensorFlow, OpenCV, NumPy, Framer Motion
- **Tools & Concepts:** Git/GitHub, Vercel, Unix/Linux, CI/CD, Data Structures & Algorithms, OOP
- **Relevant Courses**: Data Science (R, Machine Learning), Databases (Relational Databases, PostgreSQL), Software Design (Java, Design Patterns), Computer Science II,  Systems Programming (Unix, Bash, C), Data analytics, Multi-variable Calculus, Probability, Linear Algebra II

## EMPLOYMENT HISTORY

**Circulation Desk Assistant | May 2025 - Present**
Toronto Metropolitan University Library | Toronto, ON
- Coordinated cross-department support to resolve high-volume inquiries, maintaining accurate tracking systems and clear communication in a fast-paced environment.

**AI Trainer / Mathematics | June 2024 - October 2024**
Outlier | Remote
- Evaluated AI-generated algorithm solutions at scale, identifying reasoning errors and providing data-structure/algorithm-based feedback to improve machine learning model quality.

**Information Desk Assistant | September 2024 - April 2025**
Toronto Metropolitan University Library | Toronto, ON

## Projects

**American Sign Language Interpreter** | Python, TensorFlow Object Detection, TFRecord, LabelImg, NumPy
**github.com/nusu97/American-sign-language-interpreter**
- Built a computer vision pipeline using Python, OpenCV, and TensorFlow Object Detection API to translate hand gestures into text via live webcam feed.
- Fine-tuned an SSD MobileNet V2 architecture using transfer learning; resolved gradient instability by adjusting learning rate schedules and warmup steps, achieving high-confidence classification.
- Managed the full lifecycle from custom dataset creation and annotation to training, debugging configuration conflicts, and deploying the inference script for real-time detection.

**Ethio Coffee** | Next.js, React, TypeScript, Tailwind CSS, Framer Motion, Vercel
**Live site:** ethiocoffee.et **| Git repo:** github.com/nusu97/ethio-coffee-rethemed
- Built a responsive, SEO-friendly coffee brand site with Next.js App Router, implementing dynamic product and blog routes, reusable UI components, animated interactions, optimized images/media, and a contact workflow with email delivery. Hosted on Vercel with a custom .et domain.

## EDUCATION / TRAINING HISTORY

**Bachelor of Science - Computer Science** (Minor in Mathematics)
Toronto Metropolitan University | Dean's List | 2024 – Present
**Certificate in Full Stack Development**
Cantek IT Skill Development Program | June 2023 - August 2023

## ACHIEVEMENTS & RECOGNITION

- Professional Development Award in American Sign Language (ASL) | TMU | 2025