

Khizar Malik

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EDUCATION

Carleton University

2026 (Expected)

Computer Science: Artificial Intelligence and AI Stream

Ottawa

- **Relevant Courses:** Data Structures and Algorithms, Full Stack Development, Object Oriented Software Engineering, Database Management Systems, Programming Paradigms
- **Awards/Extracurricular:** Academic Excellence Award, CUHacking Hackathon, Marketing Manager (PSA), Student Developer (Carleton Computer Science Society), Open Source Contributor (CUHacking)

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, MySQL, SQL, HTML5, CSS3

Frameworks/Libraries: TensorFlow, Keras, Pandas, Matplotlib, Numpy, React, React-Native, Medipipe, OpenCV

Tools & Practices: Git, Design Patterns, SOLID Principles, Agile/Scrum, GDB, CI/CD, Supabase, DevOps

EXPERIENCE

Founding Engineer

Nov 2024 – Present

thirdspace

Ottawa, ON

- Developed a mobile application for Carleton students using React Native and TypeScript, connecting over **700+** users
- Led **UI/UX** development and front-end implementation of iOS and web applications using **Bootstrap**, **Shadcn**, **TailwindCSS**, reaching Top **70** in App Store
- Designed and optimized back-end services infrastructure using **Supabase**, implementing REST APIs with **PostgreSQL** and **MySQL** databases

Client Service Representative

Aug 2024 – Present

Carleton Residence Services

Ottawa, ON

- Resolved complex issues for **500+** diverse students by implementing creative solutions that promoted and community building
- Managed diverse student inquiries using strong **written communication skills** while promoting an inclusive residential community
- Strengthened interpersonal skills through mentoring new students and facilitating cross-departmental collaboration with **5+** teams to resolve complex issues

Fundraiser

May 2024 – Aug 2024

Public Outreach Fundraising

Ottawa, ON

- Broke company rookie record with 7 first-day donations by utilizing quick learning, active listening, and adaptive communication strategies
- Engaged with **100+** people daily using strong interpersonal and verbal communication skills, building meaningful connections while maintaining a solution-focused approach
- Secured **200+** donations through effective **team collaboration** and **active listening skills** while engaging potential donors

PROJECTS

Stock Market Prediction Tool

- Designed and implemented a robust **data pipeline** in **Python** to process high-volume market data from **yfinance**
- Leveraged **Pandas**, **NumPy**, and **Tensorflow** to create a feature extraction system that processes historical market data and news sentiment
- Developed hybrid prediction models combining **scikit-learn's linear regression** and **LLM-based** analysis, with extensive **feature engineering** that improved prediction accuracy
- Implemented robust version control practices using **Git** for collaborative development, including creating feature branches, submitting pull requests, resolving merge conflicts, and maintaining clean commit history while coordinating with team members