Sharjil Mohsin

📞 (647) 774-2480 | ✉ mohsis2@mcmaster.ca | 🏠 sharjilm.github.io | ⬇ sharjilm | in sharjil-mohsin

Education

McMaster University   *Hamilton, ON*
B.Eng.Mgmt in Software Engineering and Management, GPA: 3.3/4.0   *Sept. 2017 - PRESENT*
- **Expected Graduation Date**: April 2023
- **Relevant Courses**: Intro to Software Development, Data Structures and Algorithms, Concurrent System Design, Databases

Work Experience

McMaster University   *Hamilton, ON*
Teaching Assistant   *Sept. 2020 - PRESENT*
- Ensured **50+** 1st year engineering students understood and implemented concepts on programming, engineering design, engineering professionalism, and material science through related hands-on engineering projects using **Raspberry Pi**, **Python**, and **AutoCAD**.
- **Facilitated** group discussion, **motivated** students to attain personal growth, and **encouraged** skills development.

FreshCo Ltd.   *Oakville, ON*
Cashier   *May 2019 - PRESENT*
- **Helped** customers out by scanning the items that they purchase from the store, price-matched their items from other competitors, helped out customers who are looking for a specific item and returned items they no longer want, and organized shelves.
- **Oversaw** the store and was the front line for **exceptional** customer service.
- **Responsible** for closing procedures and end-day bookkeeping duties.

Extracurricular

McMaster Artificial Intelligence Society   *Hamilton, ON*
General Member   *Sept. 2018 - PRESENT*
- Learned skills required to build an AI project, as well as discussed the impact and the ethical applications of artificial intelligence.
- Implemented machine learning algorithms using **Python** and using tools like **NumPy**, **Matplotlib**, **scikit-learn**, and **TensorFlow**.

Mohawk College   *Hamilton, ON*
Student Volunteer   *Jul. 2018 - Jul. 2019*
- **Directed** and **organized** interactive Internet of Things (IoT) workshops in collaboration with a professor.
- **Instructed** elementary school children about the ways smart devices are involved in everyday life using wireless communications.

Projects

COVID-19 Pandemic Tracker App
- Developed a mobile application that retrieves worldwide COVID-19 data and visualizes the number of cases per country and overall.
- Created using **REST API** and **Volley Library**; built in **Java** using **Android Studio**.

Easy, Safe Cargo
- Designed an interactive **Android app** in **Java** that will detect if cargo being transported by a company is being stolen and will alert the user if so for DeltaHacks V.
- Implemented the cargo-theft prevention security system using the **Google Maps API** on **Android Studio**.

UEFA Euro 2016 Database
- Composed a database for the UEFA Euro 2016 soccer tournament that includes all details such as the matches played, players involved, the bookings given, etc.
- Created the database using **SQL** statements.

Personal Website
- Designed a personal website from scratch that hosts my portfolio to showcase my side projects and interests.
- Created the website using **HTML**, **CSS**, and **JavaScript**, and using tools like **Bootstrap**.

Skills

Languages	Java, Python, C, C++, C#, Go, JavaScript, HTML/CSS, Verilog, Bash, SQL, MATLAB
Frameworks/Tools	Git, TensorFlow, scikit-learn, LaTeX, Doxygen, OpenCV, Bootstrap, AutoCAD, Photoshop, Premiere Pro, Microsoft Office