# Sharjil Mohsin

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## 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 **30+** 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.

## Skills

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