SHUBH SEHGAL

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HIGHLIGHTS OF QUALIFICATIONS

- Second year Electrical Engineering (co-op) student at McMaster University with extensive programming experience through personal projects, school courses, and hackathons
- Strong understanding of the Software Development Life Cycle using Waterfall/Agile methodologies
- Proficient with object-oriented programming principles and writing modular code
- Excellent written and verbal communication skills with the ability to work in a team
- Exceptional problem solving and organizational skills with a keen sense of time management
- Highly motivated and constantly seeking opportunities to learn and expand skillset

EDUCATION

B.Eng. Electrical Engineering – McMaster University
September 2018 – April 2022 (Expected)

- Pursuing minor in computer science
- Awarded the **McMaster Entrance Scholarship** for achieving an admission average over 90%

WORK EXPERIENCE

Customer Sales Associate – Tommy Hilfiger
July 2019 – August 2019

- Interacted with customers to provide a friendly and hassle-free shopping environment
- Worked efficiently under pressure when required to organize the store while simultaneously attending to customers

PROJECTS

Gratitude – Volunteering Web Application (Academic)

- Designed and programmed a website to help connect high school students to volunteer opportunities
- Constructed an elegant and intuitive user interface using **HTML** and **CSS**
- Utilized **JavaScript** to store and retrieve information from **Firebase's real time database**
- Added features such as posting and applying to volunteer positions, as well as tracking the total hours a student volunteered

Text Based Pokémon Game (Personal)

- Created a text-based game to simulate a Pokémon battle written in **Python**
- Applied object-oriented programming principles to create various Pokémon and the moves available to them

TECHNICAL SKILLS

Programming
Python, Java, C, JavaScript, HTML, CSS, MATLAB

Tools
MySQL, Firebase, Arduino, Microsoft Office Suite, Minitab

EXTRA-CURRICULAR ACTIVITIES

Member – McMaster SumoBot Club
January 2019 – April 2019

- Built and programmed an autonomous robot designed to push other robots out of an arena
- Utilized an **Arduino** to program the robot and communicate with hardware components (i.e. ultrasonic sensors, line sensors, motors)

Hackathons

- **DeltaHacks – McMaster University**
  January 2019
  - Spent 24 hours in a group of four creating a **Python** program to detect whether a driver is too sleepy to drive safely or not
  - Utilized the **OpenCV** library to recognize facial features resembling fatigue
  - Demonstrated strong teamworking skills when required to create, plan, and implement the idea for the program

- **StarterHacks – University of Waterloo**
  January 2019
  - Worked in a team of five to develop a website using **HTML**, **CSS** and **JavaScript** to aid university students with financial management