ZAEEM GHAURI

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HIGHLIGHTS OF QUALIFICATIONS

- Currently enrolled in level 3 of the 4-year Computer Engineering co-op program at McMaster University with a CGPA of 3.9/4.0
- Excellent collaboration and communication skills developed through numerous group projects in and out of University
- Strong scheduling and time management skills developed as a student and volunteer teacher
- Proficiency in **C/C++**, **Python**, and **Verilog HDL** languages
- Experience with programming/building embedded systems, machine learning, and AI through school and personal projects

EDUCATION

Bachelor of Engineering, Computer Engineering at McMaster University

- Developed and applied knowledge of **object oriented programming** concepts through graded programming labs maintaining a 4.0 GPA
- Applied knowledge of discrete mathematics to create efficient programs
- Good understanding of microcontrollers and digital systems design
- Great cooperative skills from working on various team-based projects

SKILLS

Programming Languages

- Java, C/C++, Python, MATLAB, Verilog HDL, HTML & CSS

Software/Applications

- GitHub, OpenCV, Arduino, Microsoft Office, AutoCAD

Soft Skills

- Planning/scheduling
- Time management
- Teamwork/collaboration
- Creative problem solving
- Critical thinking
- Persistent work ethic

PROJECTS

Microcontrollers Course Final Project

- Created an embedded system that map user's surroundings in 3D
- Interfacing time-of-flight sensor, stepper motor, microcontroller, and user PC
- Programmed in C, assembly, and Python

Emotion Detector + Music Player

- Created an application that recognizes the user's current emotion and plays the appropriate music through Spotify
- Use of machine learning/AI tools such as OpenCV and Keras
- Programmed in Python

Personal Portfolio

- Built website from scratch to showcase personal projects in detail
- HTML, CSS, and responsive web design
- Please visit my website (link at the top) for more projects I've worked on!