Sheshank Suresh

(647)-832-7686 | sheshanksuresh@yahoo.com | sheshanksuresh.github.io | linkedin.com/sheshanksuresh

Education

09/2018 – Present

Bachelor of Engineering, Electrical Engineering
McMaster University, Hamilton, ON

- Awarded **McMaster Entrance Scholarship** for an admission average above 90%
- Expected Graduation: May 2022
- Relevant Courses
    - COE 2SI4: Data Structures & Algorithms
    - COE 2SH4: Principles of Programming I&II

Work Experience

05/2019 – 08/2019

Software Engineer
Royal Bank of Canada, Toronto, ON

- Designed GUI components using Python to ease FTP and SFTP while maintaining active logs to reduce excessive steps by 30%
- Collaborated and lead a team of 4 members to automate data collection and analysis of file transfers to Cloud and UNIX based applications to improve time efficiency by 60%
- Utilized machine learning models to develop an accurate cost estimation application for project resources using Python

Personal Projects

07/2018 – 08/2019

Arduino Water Level Indicator

- Designed and programmed a simple device to alert the user of water tank levels to prevent water overflow using basic C/C++ and open source code on Arduino IDE
- Minimized water wastage by 10% and refill costs by 15% through effective implementation of device

03/2018 – 12/2019

LEGO Mindstorms EV3 Robot

- Built a robot using LEGO Mindstorms EV3 parts to assist children admitted in hospitals cope with stress and pressures of medications and programmed using Java
- Robot could perform small tasks such as play minigames and follow the user with an attached infrared sensor

Extracurricular Activities

08/2019 – Present

Software Engineer
McMaster Hyperloop, Hamilton, ON

- Selected as one of 10 software engineers to maintain communication between components of the pod and software through the use of microprocessors
- Assist in creating solutions to relay low level instruments such as motors and sensors to the Main Controller while taking input from higher level modules
- Design and plan the required parts while maintaining effective technical documentation of the process

08/2019 – Present

Brigades Volunteer
McMaster Global Engineering Brigades

- Selected as one of 25 volunteers to represent McMaster University on an annual volunteer opportunity to implement clean water systems in Honduras
- Design and plan the construction of clean water systems through knowledge of fluid mechanics and structures
- Cultivate strong teamwork and interpersonal skills while interacting with team members, volunteers from across the world and local community

Skills

Programming	Python, Java, C, MATLAB, Verilog, HTML5, CSS3, GIT
Software	Altera Quartus, Eclipse IDE, NetBeans IDE, Xcode, Linux/Unix, AutoCAD, MS Office Suite
Hardware	Arduino, Microcontrollers (MSP432E401Y), Oscilloscope, Intermediate Circuitry
Database	SQL, Pandas, NumPy
Soft Skills	Leadership, Detail orientated, Analytical, Problem Solving, Critical Thinking, Hard-working