Harshdeep Guraya

6479606125
gurayah@mcmaster.ca
linkedin.com/in/harshdeepguraya
https://github.com/gurayaharsh
gurayaharsh.github.io

Experience

Web Developer Intern | Canadian Tire Corporation **Sept 2019 - Present**

- Creating a heat map application to calculate and visualize product performance in **500+** retail stores
- Re-engineering front end to **ReactJS,** building a RESTful API using **Python** and **Flask**, and storing data in **MySQL**
- Working with stakeholders to determine the projects direction, product requirements, and user experience

Systems Engineering Intern | Cisco Systems **May 2019 - Sept 2019**

- Increased user retention to **76%** by building an application which aggregates data from several different energy monitoring systems using ReactJS, **ExpressJS,** and PostgreSQL
- Consulted clients on **cloud based solutions** in order to drive their growth and market expansion

Research Assistant | McMaster University **April 2017 - Sept 2017**

- Built a low cost syringe pump using 3D printed materials and programmed the controller using an **Arduino** in **C**
- Designed and conducted experiments to test viable methods for depositing carbon nanotubes onto sensors
- Analyzed experiment data, presented findings to supervisors, and wrote a paper to summarize the research

Cofounder and Vice President | McMaster Gift of Life Foundation **April 2018 - Present**

- Raising funds, advocating and clearing misconceptions, and signing up donors for organ donation in Canada

Education

B.Eng, Electrical and Biomedical Engineering | McMaster University **Expected May 2021**

- 3.7 GPA, Deans Honour List (80%+ Average 2016-2019), Year 3 of 4 Completed
- President's Award (95%+ Entrance Average) & Dean's Excellence Scholarship (Leadership and Volunteerism)
- Golden Key International Honour Society Member (Top 15% in the Program)

Relevant Courses: Principles of Programming, Data Structures & Algorithms, Logic Design, Microcontrollers

Skills

Languages Java, Python, JavaScript, C, HTML/CSS, MATLAB, SQL, Assembly

Tools and Technologies ReactJS, JQuery, Bootstrap, ExpressJS, Flask, NodeJS, Git, Heroku, Jira, MS Suite, PSpice

Project Work

Face Detector | Personal Project **May 2019 - June 2019**

- Developed a facial detection application using Clarifai's **Facial Detection API** on a **NodeJS** server
- Built the front end using React, the back end using ExpressJS, and stored the data in a **PostgreSQL** database

Microprocessor Data Controller | Personal Project **Jan 2019 - April 2019**

- Built an inclination data acquisition, computation, and transfer system using the **EsduinoXtreme Microcontroller**
- Programmed the microcontroller in C and displayed real time transferred data using **MATLAB**

Investment Help Bot | Yale Hackathon **Dec 2018**

- Worked with **Goldman Sachs' Marquee API** and **Natural Language Processing** to create a Python chat bot that provides real time investment information, risk tolerance tests, and growth analysis to users