# SHESHANK SURESH

ELECTRICAL ENGINEERING

## **PROFILE**

Second year Electrical Engineering Co-op

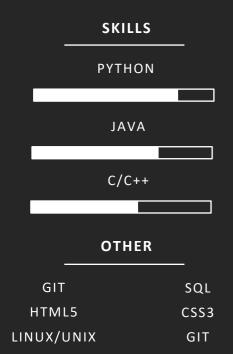
Student at McMaster University

pursuing a minor in Computer Science

## **CONTACT**

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## **HACKATHONS**

StarterHacks 2019 — University of Waterloo

DeltaHacks 2019 — McMaster \_\_\_\_\_ University

Google Cloud Hackathon — Google Toronto

### **EDUCATION**

## McMaster University, B. Elec. Eng.

September 2018 - May 2022 (Expected)

 Awarded McMaster Entrance Scholarship for an admission average above 90%

#### **WORK EXPERIENCE**

## Software Engineer — Royal Bank of Canada

May 2019 - August 2019

- Designed GUI components to simplify FTP and SFTP while maintaining active logs on sequences and processes
- Collaborated and lead a team of 4 participants to automate data collection and analysis of file transfers to cloud and UNIX applications
- Utilized machine learning models to develop an accurate cost estimation for project resources using Python

## PERSONAL PROJECTS

#### Arduino Water Level Indicator

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

#### **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 using an infrared sensor

## **EXTRACURRICULAR ACTIVITIES**

## McMaster Global Engineering Brigades Volunteer September 2018 - May 2019

- 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

## **Engineers Without Borders General Member**

September 2018 - May 2019

- Develop communication skills by discussing real-world engineering issues and United Nations sustainability goals to further human development
- Engineer solutions for current first world problems to build analytical and logical thinking skills
- Participate in community fundraisers to promote positive global citizenship