

SHESHANK SURESH

ENGINEERING I STUDENT

PROFILE

First year Engineering I Co-op Student
at McMaster University interested in
pursuing a degree in Computer
Engineering.

CONTACT

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SKILLS

PYTHON



JAVA



HTML/CSS



EDUCATION

McMaster University, B. Eng.

September 2018 – May 2022 (Expected)

- Awarded **McMaster Entrance Scholarship** for an admission average above 90%

PROJECTS

Arduino Water Level Indicator

- Designed a simple device to alert user of water tank levels to prevent overflow and wastage of water
- Programmed the system using basic level C/C++ knowledge and open source code with Arduino's IDE
- Minimized water refill costs and water wastage by 10% through effective implementation 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
- Robot could perform small tasks such as play minigames and follow the user using an infrared sensor
- Programmed using Java and downloadable LEGO Mindstorms software

VOLUNTEER EXPERIENCE

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 system in Honduras
- Design and plan the construction of clean water systems through knowledge of fluid mechanics and associated structures, such as pumpin stations, pipework and land development
- 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
- Promote positive global citizenship by participating in community fundraisers
- Engineer solutions for current first world problems to build analytical and logical thinking skills