Mumuxu Shah

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EDUCATION

McMaster University   **Sep 2017 – April 2022**
Bachelor of Electrical Engineering
Previous Semester GPA: 3.7
Relevant Courses: Energy Conversion, Control Systems, Electrical Systems Integration, Logic Design, Circuits and Systems, Principles of Programming, Microprocessor Systems Project, Electronic Devices and Circuits II, Signals and Systems, Electromagnetics I, Electromagnetics II

SKILLS

- EMTP for simulation of power systems
- Circuit design and Op-amps application
- Microcontrollers including the ESP32 and MSP432
- Matlab for signal processing and statistics simulations
- C, C#, Java, Python
- Simulink and Quanser Interactive Labs for programming robotics simulations

Work Experience

Summer Robotics Camp – Camp Leader | IRIS Robotics   **July 2017 – Aug 2018**
- Guided kids ages 5-14 in taking their first steps into STEM education.
- Responsible for imparting knowledge and inspiration within participants as well as for their wellbeing.

Youth in Policing - Student Intern | Toronto Police (IT Department)   **July 2016 – Aug 2016**
- Assisted in roll out process, deploying 100's of units all throughout the force in a timely manner.
- Entrusted with purging all obsolete devices, ensuring that no confidential information is leaked.

Extra-Curricular

McMaster Hindu Students Association – Diversity Chair   **Sep 2020 – Apr 2021**
- In charge of all public and private club environments to encourage a more inclusive space for all

McMaster Engineering Competition   **Oct. 2017 – Jan. 2018**
- Coordinated a team effort and utilized critical thinking skills in a limited time to create an innovative design.
- Competed and placed first in the Junior Design category, advancing to the provincial level, whilst representing McMaster University

FIRST Robotics – Various Roles   **Sep. 2013 – Jun. 2017**
- Placed first in North Bay regional and qualified for World Championships - 2016
- Qualified for provincial competitions - 2017.
- Effectively collaborated to design, prototype, build, and program a competition ready robot within six weeks
- Developed time and budget management skills while solving problems under high pressure situations.