

# Rutvik Sheth

## Computer Engineering

✉ shethr@mcmaster.ca

📞 647-708-3267

📍 Ajax, Canada

🌐 [linkedin.com/in/rutviksheth1999](https://www.linkedin.com/in/rutviksheth1999)

## EDUCATION

### Bachelors of Computer Engineering McMaster University

09/2017 – 04/2022

- Engineering Computation: iteration in python. Grade: B+
- Physics: Waves, Electromagnetism, and Inductance. Grade: A
- Mechanical prosthetic was designed and 3D printed using AutoDesk Inventor. Grade: A

## EXPERIENCE

### McMaster Rocketry Team McMaster University

06/2018 – Present

Hamilton, Ontario

- Researched various types of launch rails for our Sounding Rocket independently.
- Analyzed and selected best nosecone for a rocket reaching speeds of Mach 0.7 to Mach 1.4. Von Karman Ogive was inputted.
- Designed the rocket's air-frame and nosecone on AutoDesk Inventor 2017

### MAC Formula Electric McMaster University

11/2017 – 04/2018

Hamilton, Canada

- Learning Failure Mode Effect Analysis for Motor Cooling System.
- Learning Testing process for various Cooling system.
- Developed strong co-operative skills as well as self-directing skills.
- Designed Radiator, Pump, Pump bracket models on SolidWorks

### Mentor/Judge Mathstronauts - McMaster

01/2018 – 01/2018

- Mentored a team of 6 middle school students to educate the use of wind turbines.
- Explained various concepts and methods which helped them create a prototype with high efficiency.
- Latter evaluated several other teams to award the best prototype.
- Communicated with the team easily and effectively

### Robotics - First Robotics Competition J. Clarke Richardson Collegiate

09/2015 – 06/2017

Ajax, Canada

- Improved leadership and problem-solving skills by leading the Mechanical team of 3
- Developed excellent communication skills by independently securing Lear Corporation sponsorship of \$3000 and mentorship
- Refined my attention to detail by controlling the robot and delivered game-winning performance in the arena
- Lead school robotics team (#5076) to become a finalist in district level competition at Victoria Park event.

## SOFT SKILLS

Self-Directed

Dedicated

Quick Learner

Curious

Responsible

Co-operative

Passionate

Leader

Adaptable

Enthusiastic

Creative

Organization

Dependable

Accountable

## EXTRACURRICULARS

### 631 Sentinel Royal Canadian Air Cadet Squadron (10/2012 – 06/2013)

Achieved Corporal ranking through Field Training Exercise at Borden Military Base with discipline and dedication.

### Durham Youth Council (10/2016 – 06/2017)

Elected Youth Councilor of Ajax where I addressed the issues encountered by teens in my community.

### Cricket Team

Played cricket for Bloomfield Cricket Academy and Durham Cricket Academy

## EXPERTISE

Python



Java



HTML



MatLab



SolidWorks



Inventor



Microsoft Office



## INTERESTS

Cricket

Pool

Badminton

Books

Table Tennis

Music

Photography

Trilingual