

# Sharif Saeed

[shariff@umich.edu](mailto:shariff@umich.edu) | (734) 489-4404/  
<https://www.linkedin.com/in/sharif-saeed-3922992b9/>

## Education

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### University of Michigan, (College of Engineering)

Bachelor of Science/Art in Computer Engineering

Ann Arbor, MI

Graduation date: 2027

- GPA: 3.776 / 4.0
- Course Highlights: Calculus II, Introduction to Engineering, programming and introduction to data structures
- Awards/Honors: Dean's honors list (GPA higher than 3.5)

## Experience

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### University of Michigan Supermileage

August 2023 - Present

Active member

- Helped assemble and wire together different part of the H-bridge motor driver
- Helped design the PCB board for the vehicle telemetry system
- Helped in wiring and soldering different sensors and components of the telemetry system
- Collaborated with team members to openly share ideas and foster an inclusive environment

## Projects

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### Machine learning

- Developed a program that uses natural language processing and machine learning to identify the most likely subjects of posts on a question forum.

### Restaurant recommendation program

- Used python to program a system that recommends restaurants to a user from a given list based on relevant data such as the percentage of people who recommended each one and its price range.

### Mini-Catapult

- Designed and built a catapult controlled by sensors and Arduino that launches projectiles into a specified target.
- Employed a distance sensor to detect the distance of the target and adjust the catapult's angle accordingly using an equation programmed into the Arduino.

### Solar powered remote weather station

- Designed and built a remote solar powered weather station that collects accurate weather data such as humidity, temperature, pressure, and light level to present it onto a bluetooth-enabled device.
- Utilized an arduino board and programming to allow sensors to display the data into a bluetooth-enabled device and also to switch on LEDs when the light level goes below a certain threshold.

## Additional

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- **Languages:** English, Arabic
  - **Technical Skills:** C++ programming, Python programming, data analysis using Pandas framework, Microsoft Excel, Soldering, PCB design
  - **Activities:** University of Michigan Supermileage team, Muslim Engineering Society, Muslim Student Association