Sharif Saeed

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Education

University of Michigan, *(College of Engineering)*   **Ann Arbor, MI**
Bachelor of Science/Art in Computer Engineering   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

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

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

- **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