

Sachin Patel

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Education

Iowa State University, College of Engineering

- Bachelor of Science in Computer Engineering. Expected May 2024
- GPA: 4.0/4.0 || Cumulative Credits: 52.0 || Honors Student

Computer Skills

Languages: Python, Java, C, C++, C#, JavaScript, HTML/CSS, Verilog || **Software:** React, Django, Flask

Experience

Front End Design Intern | Expaaand Contract Services

(Jul 2021 - Aug 2021)

- Developed landing pages swiftly in **HTML/CSS** and **Javascript** that secured clients.
- Created UI designs timely in Figma that pleased investors and resulted in web design contracts.

Undergraduate Research Assistant | Iowa State University

(Jan 2021 - May 2021)

- Researched wireless networks (specifically 5G) and how they are made reliable.
- Helped set up a testbed to simulate environments with many 5G compatible devices.

Extra-Curriculars

Cardinal Space Mining Club | NASA Robotic Mining Competition

(Sep 2020 - Present)

- Controls project director of all software and electrical features of a mining robot.
- Developed command and subsystem programs in **Java** for full robot autonomy.

Robotics Club

(Sep 2020 - Present)

- Designed all mechanical and electrical features of a battle-bot within tight constraints.
- Won the battle-bots tournament at Iowa State University.

Critical Tinkers Club

(Sep 2020 - Present)

- Assembled a drone that will implement side motors for horizontal movement coded in **C+**

Selected Projects

IoT Rover

[Code](#)

- Engineered a rover using Arduino, Raspberry Pi, **Python**, Flask, **HTML/CSS**, and **C++**.
- A web server controls the rover's multiple features and displays a live feed from its camera.

Unity Game

[Code](#) | [Project](#)

- Created a space-inspired video game using **C#** and the Unity Game Engine.