

# SAI MANVITH REDDY PATLOLLA

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## EDUCATION

### Arizona State University

Major: BS Computer Science

Minor: Business & Accounting

December 2025

GPA: 4.0/4.0

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## TECHNICAL SKILLS

**Programming Languages:** Python, Java, C, C++, C#, HTML5, CSS3, JavaScript, SQL

**Web Technologies:** React.js, Next.js, Node.js, Tailwind, Express.js, Angular, Vue, Flask, Django

**AI/ML:** Gemini API, OpenAI API, OpenCV, Nemotron 70b API, LLMs, Llama

**Operating Systems:** Android, IOS, UNIX, Ubuntu, Windows, Macintosh

**Software Engineering:** Jira, Confluence, Agile methodologies, Software Development Lifecycle, Git, GitLab, SaaS, Linux

## EXPERIENCE

### Undergraduate Teaching Assistant

August 2023 - Present

Ira.A Fulton School of Engineering, Arizona State University

Tempe, AZ

- Facilitated course instruction by assisting in lectures and lab sessions, while providing students comprehensive technical and academic guidance.
- Applied problem-solving skills diligently to deliver detailed and constructive feedback to enhance student understanding and academic performance.
- Developed and refined educational materials, including lab exercises and homework assignments, to improve course content and accessibility.
- Managed administrative duties, coordinating class logistics and ensuring seamless communication between students and faculty.

### Lead Mentor

January 2025 - Present

Sun Devil Robotic Club, Arizona State University

Tempe, AZ

- Lead and prepare for weekly workshops as part of the semester schedule, focusing on hands-on training and technical skill enhancement.
- Manage and execute non-event responsibilities, including frequent communication with other mentors and preparation for upcoming workshops and events
- Coordinate with club mentors and SDRC management to maintain project alignment and progress through regular, in-person workshops and virtual communications.
- Serve as the primary point of contact for technical support to students in the rover project, ensuring effective problem-solving and guidance.

## PROJECTS

### Miraa Bot - Intelligent Generative AI Model | Gemini API, Python, HTML5, CSS3, Javascript

- Implemented Google LLM technology to generate human-like responses.
- Enhanced user experience by facilitating natural and engaging interaction.
- Link to Demo: [Miraa Bot Website](#)

### ASU Food Bank - Engineering in Community Service | HTML5, CSS3, Javascript

- Spearheaded the development of a user-friendly website for the ASU Food Bank while working in an agile team environment.
- Provided critical information and resources to address food insecurity among Arizona State University students.
- Link to Demo: [ASU Food Bank Website](#)

### VI Robotic Hand - Helping Hand for Visually Impaired | Python, C++

- Developed a robotic hand designed to assist visually impaired individuals in detecting obstacles while walking

## AWARDS & HONORS

### Arizona State University Dean's List Distinction

- Recognized and Honored for maintaining a high GPA in Fall 2022, Spring 2023, Fall 2023, Spring 2024 and Fall 2024 semesters.

### Hack Harvard - Hackathon

- Participated in the Harvard Business School Hackathon, which focused on Artificial Intelligence and Machine Learning.