

Aryan Vora

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EDUCATION

University of California, Santa Cruz

Bachelor of Science in Computer Science, College Scholars Program

Santa Cruz, CA

Expected Graduation: June 2025

EXPERIENCE

Research Assistant

Jun. 2023 – Aug. 2023

Computer Vision Lab @ NTU

Taipei, Taiwan

- Developed a real-time hand tracking and gesture recognition system using AR smart glasses, integrating Time-of-Flight sensors and Mediapipe for accurate 3D hand reconstruction and interaction.
- Developed an image processing algorithm that produced images comparable to those processed with Sony's methods

Software Engineering Intern

Aug. 2023 – Nov. 2023

Squeeze Group Shopping

Remote

- Built a multi-platform receipt scanner using React for the frontend and Firebase for the backend.
- Used OCRSpace for text and data extraction from scanned receipts, and AI to ensure the OCR is accurate
- Designed and implemented a price-comparison API using web scraping techniques, and deployed a demo website using Flask.

National Officer

August 2021 – December 2021

Shooting Stars Foundation

Fremont, CA

- Organizer of the AMD-Xilinx All-Girls Hackathon, attracting participants from over 50 countries and garnering 600+ entries.
- Conducted an informative and hands-on workshop with over 100 participants focused on HTML/CSS, to enhance their web development skills.

PROJECTS

Pokernow Assistant | JavaScript, HTML/CSS

- Developed a browser extension that integrates real-time win rates and statistical analysis directly into PokerNow
- Implemented features that provide strategic recommendations and enhance decision-making during gameplay.

Aletheia | Python, Node.js, JavaScript (React), HTML/CSS

- AI-driven application transforming complex pharmaceutical prescriptions into patient-friendly language, enhancing understanding and patient care.
- Features include PDF and image upload capabilities for medical documents, with advanced analysis for personalized drug impact assessment. Won Best UI/UX at ACMxGraceHacks 2023.

ClassBooster | JavaScript (React), Python, HTML/CSS

- Collaborative full-stack project, aimed at automating creating smart seating charts for teachers.
- Designed user interfaces in Figma and coded these designs in React, and integrated them with the backend for functionality.

TECHNICAL SKILLS AND AWARDS

Languages: Python, C/C++, JavaScript, Java, HTML/CSS

Frameworks: React, Node.js, Flutter, Flask, Nextjs, RestAPI

Developer Tools: Git, Bash, AWS, Firebase/Google Cloud, Postman, Figma, Mobile and Web Development, Image Detection, OpenCV, Pandas