

# Manas Bhargavan

UC Santa Barbara | Class of 2028 | B.S. in Computer Engineering

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## WORK EXPERIENCE

### Hikari Medical Technologies, UCSB Nanotechnology Incubator — *Fellowship Intern*

October 2025 - Present (Likely to be renewed for multiple quarters)

Developed hardware and firmware for a wearable device using Fusion, Altium, LTSpice, and C. Developed data logging mechanism and 3D-printed prototype cases.

### RighTrack Advertising, Dubai — *Contract Web Developer*

June 2025 - August 2025

Built a full-stack web app with a secure login, admin panel, and interactive customer incentive system. Integrated Supabase backend and developed a responsive React frontend with modern UI and animations. Ongoing technical support.

### Associated Students, Pardall Center, UCSB — *Office Assistant*

March 2025 - Present

Connect students with academic, financial, and legal resources. Working on an auto-scheduler in Python for Pardall Center staff shift assignments.

### JN Management LLC (Commercial Real Estate), TX — *Software developer*

June 2022 - September 2023

Developed commercially viable infrastructure software to automate utility usage for commercial rental properties using a Dreamcatcher board, and AWS cloud computing services, in Python.

### KUV Consultants Security & Disaster Preparedness, Public Works agencies AZ — *Programmer*

April 2023 - July 2023

Developed a dashboard to display real-time backup generator fuel requirements and efficiency for up to 72 hours of operation in the case of a power outage for 43 Water Reclamation Facilities, Water Production Facilities, and Deep Well Pumps.

This was developed as part of the Phoenix Water Services Department Emergency Operations Plan.

## EDUCATION

### UC Santa Barbara, California — *B.S. Computer Engineering*

Expected Graduation: June 2028

GPA: 3.97, Sophomore with a Senior Standing

## LEADERSHIP/INTERNSHIPS

### Internal Vice President and Firmware Engineer — *Gaucha Racing (Formula SAE EV)*

VP of the 100+ person, \$100k+ budget club. Secure funding/resources from company sponsors, associated student body, school, and alumni. Host campus events, promote outreach, track team progress, and improve new member onboarding.

Collaborated with the firmware subteam to develop the firmware logic and communication protocol in C.

### Coding Internship — *AI LAB, UTD, TX*

June 2022 - August 2022

Developed an explainable AI algorithm in Prolog to play Wordle.

### Private Tutor

March 2022 - May 2024

Arithmetic, algebra, calculus, reading comprehension, and writing.

## SCHOLARSHIPS/AWARDS

CNSI Propel Fellowship Grant  
UCSB Dean's Honors List  
National Merit Finalist  
Los Gatos Rotary Scholarship

**SKILLS** C/C++, Java, Python, React, Fusion