

Manas Bhargavan

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

WORK EXPERIENCE

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

October 2025 - Present (Renewable quarterly)

Designed hardware and embedded C firmware for an in-development medical wearable, and built photodiode-based data logging test setups to quantify wavelength-dependent formulation breakdown.

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 Admin*

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, TX — *Software developer*

June 2022 - September 2023

Automated utility usage monitoring for commercial rental properties by building Python infrastructure with a Dreamcatcher board and AWS to aggregate, process, and display usage data, eliminating manual tracking.

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

April 2023 - July 2023

Built a dashboard for Phoenix Water Services to compute and display real-time backup generator fuel requirements and efficiency for 43 water facilities over 72-hour outages, supporting emergency operations planning.

EDUCATION

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

Expected Graduation: June 2028

GPA: 3.98, Sophomore with a Senior Standing

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LEADERSHIP/INTERNSHIPS

Internal Vice President and Firmware Engineer — *Gacho 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

