

Dhruv Patel

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EDUCATION

University of California Santa Barbara, Santa Barbara, CA

College of Engineering: Bachelor's in Computer Science, Minor in Physics, degree expected June 2026
GPA: 3.95

Relevant Coursework: Quantum Computing, Quantum Algorithms, Data Structures and Algorithms, Multivariable Calculus, Computer Architecture, Statistics, Set Theory, Differential Equations

Activities: ACM UCSB, UCSB Dhadkan, UCSB Data Science

EXPERIENCE

UCSB NanoFabrication Laboratory, Goleta, CA

June 2024 – Present

Process Intern

- Operate multiple dry etch and lithography machines in the cleanroom environment to develop novel nano- and micro-scale devices.
- Analyze and model dry etch machine emission spectra using Excel and Python (pandas), delivering data-driven insights to improve fabrication processes.
- Collaborate with cross-functional teams and worked independently to test microchips.

UCSB Dhadkan, Goleta, CA

Venue and Technology Executive

October 2023 – Present

- Organized community-focused event with over \$15,000 of proceeds donated to South Asian charities, fostering cultural engagement and philanthropy.
- Directed venue selection and secured optimal spaces for both main and post-show.
- Coordinated sound and lighting logistics, ensuring seamless transitions and high-quality production for multiple dance team performances.

Zimetrics Technologies Private Limited, Remote

June 2022 – August 2022

Data Science Intern

- Studied Data Science and Computer Science topics, learning essential Python, machine learning, and deep learning concepts.
- Designed and implemented a data pipeline to efficiently process and manage datasets.
- Developed and trained a machine learning model to predict the likelihood of strokes.

SKILLS AND INTERESTS

Skills/Tools: Proficient in Python, Javascript, C++, C#, .NET, React, Node.js, Angular, and Git. Able to operate multiple dry etch and lithography machines. Quick learner and a dedicated work ethic.

Interests: Tennis (10+ years), reading fantasy, Pokemon, and fashion