

# Dhruv Patel

Santa Barbara, CA 93117 • (805)444-7999 • [dhruvpatel7125@gmail.com](mailto:dhruvpatel7125@gmail.com) • <https://www.linkedin.com/in/dhruvt-patel/>

## EDUCATION

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**University of California Santa Barbara**, Santa Barbara, CA

*College of Engineering:* Bachelor's in Computer Science, Minor in Physics, degree expected June 2026  
*GPA:* 3.93

**Relevant Coursework:** Quantum Computing, Object-oriented Programming, Data Structures and Algorithms, Multivariable Calculus, Statistics, Set Theory, Differential Equations

**Activities:** ACM UCSB, Data Science UCSB, UCSB Dhadkan

## EXPERIENCE

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**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

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**Skills/Tools:** Proficient in Python, Javascript, C++, Excel, React, Next, 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