

Vikesh Dheeriya

vikesh@ucsb.edu | 310-947-9701 | [LinkedIn](#) | [Bren-ES Fellow](#) | Santa Barbara, CA

EDUCATION

University of California, Santa Barbara | Graduation: June 2026 | GPA: 3.61 | Honors Program

Bachelor of Science in **Hydrologic Science and Policy**, minor in Philosophy

RELEVANT COURSEWORK

Rivers · GIS for Environmental Apps · Advanced EIR Analysis (CEQA) · Hydrology · Rivers · Water Quality · Groundwater Analysis · Statistics for Env. Science · Water Resource Supply & Demand · UC Water Academy 2025

RELEVANT EXPERIENCE

Arnhold Fellow Researcher

7/24 - Present

Environmental Markets Lab, Conservation International

- Modeled habitat connectivity under varying future climate and land-use scenarios with ArcGIS, Python, R, addressing habitat fragmentation and supporting conservation strategies
- Generated and integrated ephemeral water hole frequency layers into land cover analysis using Google Earth Engine, improving the representation of seasonal water availability for connectivity modeling
- Collaborated with team of graduate students, presented findings in weekly meetings

Undergraduate Researcher

10/23 - 4/24

Bren Graduate School of Environmental Science & Management

- Modeled Santa Ynez River watershed discharge under RCP 4.5/8.5 scenarios (HAWQS)
- Analyzed local USGS stream gauge hydrography data to evaluate cumulative discharge and peak-flow trends
- Designed maps to visualize watershed dynamics, topography, soil characteristics, land use distribution

Environmental Impact Analysis Project – Hydrology Section

9/24 - 3/25

UCSB Advanced Environmental Impact Analysis

- Wrote water-resources section for a hypothetical mixed-use development project
- Conducted site visits, analyzed water quality data, crafted stormwater runoff mitigation measures, proposed project alternatives, participated in public comment forum, evaluated regulatory compliance under CEQA

Mazer Lab Research Assistant

6/23 - 9/23

Department of Ecology, Evolution & Marine Biology

- Utilized quantitative genetics to observe how *Nemophila menziesii* responds to climate change over time
 - Processed tissue from 70+ plants for isotope analysis to estimate water use efficiency in professional lab setting
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COMMUNICATION & LEADERSHIP

Diversity, Equity and Inclusion Coordinator

10/24 - Present

UCSB Hydrology Club

- Promote water-related careers to underrepresented groups, collaborate with environmental organizations
- Expand Hydrologic Science and Policy major through presentations and one-on-one conversations with peers

News Reporter

10/22 - 6/23

The Daily Nexus

- Authored engaging weekly articles on local, state, and federal issues, focusing on environmental topics.
- Conducted interviews with professors, policymakers, and community leaders

Lifeguard

10/18 - Present

Palos Verdes Beach & Aquatic Club, UCSB Department of Recreation

- Developed strong observational skills and attention to detail, ensuring adherence to safety protocols
 - Communicated effectively with the public under high pressure scenarios
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SKILLS

Writing: CEQA/NEPA compliance, EIR preparation, technical writing, public communication, interviews, data visualization

Technical: ArcGIS Pro, R, Python, Google Earth Engine, Excel, HAWQS, WARMF, BASIN, USGS/EPA Database