

Nirav Venkatesan

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Profile

Highly motivated front-end web developer with a background in biology. My coding experience has allowed me to build various interactive web pages and applications. In my science background, I have worked in various laboratory settings and participated in research using field data. Overall, I am highly adaptable to any work setting and skilled in communicating and working with a team.

Skills and Experience

Certifications

March 2022 - Present

UCSD Coding Bootcamp (Full Time - in progress)

- Immersive, fast-paced course covering full-stack web development (HTML, CSS, Javascript and backend frameworks)
- Built and deployed several projects from scratch with teams of other developers

Work Experience

Summer 2021

US Fish and Wildlife Service Directorate Fellows Program

- Tracked compliance on management of conservation banks
- Extensively assessed legal agreements between land managers and USFWS to determine management requirements.
- Utilizing professional writing and communication skills for discussing noncompliance issues with various land management entities.
- Familiarized with Endangered Species Act, Clean Water Act, and CEQA regulations

Research Experience

Spring 2021

Undergraduate Assistant in Dr. Rulon Clark's Behavioral Ecology Lab at SDSU

- Researched behavioral characteristics of hybrid rattlesnake population.
- Participated in behavioral analysis of hunting videos using BORIS software (restricted to virtual data collection and analysis due to COVID).

Lab Experience

Fall 2018-present

Lab courses in cellular and molecular biology, organic chemistry, and biostatistics

SDSU, San Diego, CA

- Wet lab experience conducting PCR, gel electrophoresis, cell culturing & microbiology assays.
- Proficient in Python, used for bioinformatics sequence analysis.
- R programming language used for statistical tests in experimental ecology.
- Experienced in scientific writing and interpreting scientific literature

Education

San Diego State University

December 2021

Bachelor of Science, Biology; Honors Minor in Interdisciplinary Studies; GPA: 3.7

Relevant Coursework (with labs): Bioinformatics, Cell and Molecular Biology, Organic Chemistry, Microbiology, Animal Physiology, Conservation Ecology.