Virajitha Prakhya

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SUMMARY

- 4 years of professional work experience in the fields of software and bioengineering
- Programming knowledge in Java, C++, Python, R, MATLAB, HTML, Javascript
- Hands-on lab experience in techniques such as Gel Electrophoresis, DNA Extraction, Cell Culture, PCR, Liquid Chromatography, and ELISA
- Fluent in English, Spanish, Hindi, and Telugu

EDUCATION

University of California - San Diego   Expected Graduation: June 2026
Bachelors of Science in Bioengineering: Bioinformatics
- Current Junior Standing; GPA: 3.7
- Relevant Coursework: Advanced Bioinformatics Lab, Introductory Bioengineering Lab, Cellular and Organismic Biology, General Chemistry I & II, Organic Chemistry-Structural, Object-Oriented Programming, Advanced Data Structures & Algorithms

WORK EXPERIENCE

Protego Biopharma
Biology Lab Intern   *October 2023 - Present*
- Perform general lab maintenance duties such as ordering consumables for the lab, autoclaving, keeping inventory, and buffer & sample preparation
- Conduct protein biochemistry, molecular and cellular in vitro studies under the supervision of senior scientists

AngioSafe
Test & Analysis Lab Intern   *June 2021 - September 2022*
- Conducted extensive research on the differences in coronary and peripheral artery anatomy of various human populations categorized by race, gender, size, etc
- Analyzed data to determine the safety and efficacy of a novel atherectomy device for cardiovascular interventions in the development phase
- Worked with both digital and physical 3D anatomical models of the human cardiovascular system to curate an array of anatomical models of different artery geometry for device testing and analysis purposes

Silicon Valley Web Solution
Software Development Intern   *May 2020 - May 2021*
- Worked with more than 20 corporate clients to develop web pages, online storefronts, and other digital media
- Utilized tools such as Figma for design prototyping, Flutter for cross-platform app development, and ReactJS for building responsive web application

LEADERSHIP EXPERIENCE

The Lawrence Hall of Science at UC Berkeley
Volunteer   *June 2021 - January 2022*
- Guided visitors through the Ingenuity Challenges Department, involving Circuitry and Artbots, Hydraulics, and Prosthetics Design, on a one-to-one basis

INNO Biotech - Northern California
Vice President   *August 2020 - June 2021*
- Developed a 12-week introductory curriculum on the foundational topics of biotechnology for high schoolers (implemented in 20 schools in 4 countries) and guided students through designing biotech products for the "Innovation Development Conference"

The Radha Foundation
Northern California Team Leader   *August 2019 - June 2022*
- Led a team of 30+ youth volunteers for various charity events across the Bay Area such as food donation drives, a pen-pal program, and fundraisers to support orphanages and low-income hospitals in rural India

PROFESSIONAL INVOLVEMENT AND ACADEMIC ACHIEVEMENTS

- Seventh College Provost's Honors   *January 2023 - Present*
- Member, Undergraduate Bioinformatics Club @ UCSD   *October 2022 - Present*
- Member, Biomedical Engineering Society @ UCSD   *October 2022 - Present*