

Shivani Belambe

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Education

- University of California, Santa Cruz (2022-2026) — Computer Science B.S. major - 3.9 GPA
 - Programming Abstractions in Python, Linear Algebra, Vector Calculus, Applied Discrete Math, Assembly Computer Language, Engineering Principles of Electronics
- De Anza Community College (2019-2021): Dual enrollment in Python, Cybersecurity Basics, C++
- MIT Beaverworks Summer Institute (2021): Deployed cloud hosted websites, reverse engineered software, cracked passwords and exploited buffer over- flows and cross-site scripting vulnerabilities

Projects/Research Experience

Misfit Lab at UCSC - Research Assistant - <https://www.misfit-lab.com/> Jan 2023 - Present

- Working on projects and solutions for disabled community by addressing various human-computer interactions
- BTS-Alt-Text-Project: creating a community-specific platform for generating and providing alt text for images and gifs for content relevant to the community
 - Technologies: Django, Python, HTML/CSS, AWS, Git
- Social Crowd Navigation Data Collection: Using Ubuntu to run Zed cameras for data collection, ROS for Jackal from Clearpath Robotics and Kuri robot

University of Washington Bothell School of Business - Research Intern May 2021 - Dec 2021

- Researching motivations for password setting behaviors
- Developed a survey to determine various factors that come into play when devoting password with a group of two other. Has reached over 120 people. In process of writing research paper
- Actively discussing solutions with team members to password protection related issues
- Reaching out to various cybersecurity professionals for advice and guidance on research questions

Work Experience

DRC Peer NoteTaker - UCSC Disability Resource Center Apr 2023 - Present

- Academic support personnel three times a week for Applied Discrete Mathematics and Engineering Principles of Electronics
- Providing detailed and organized notes to students with disabilities who may have difficulty taking notes during lectures or classes

NSF REU at San Jose State University - Machine Learning Based Cybersecurity Researcher May 2023 - Present

- Will use tools in network security, intrusion detection, malware detection in summer long research project lead by PI Young and Co-PI Fabio

Girls of South Bay Hacks - Co-Founder & Sponsorship Director - <https://gsbhacks.com/> Apr 2021 - Dec 2021

- Organized a 24-hour hackathon for young women and non-binary individuals
- 741 registered attendees from 35 countries created 70 projects
- Contacted and negotiated with 27 sponsors, some including Maxim Integrated, CVS Health, T-Mobile, Zoom, HyperX
- Raised \$99,000 in prizes and 150 feather-boards and microcontrollers for participants.

Leadership

UCSC Creative Tech Design - Marketing Committee Member May 2023 - Present

- Works with team of 6 to create social media posts on Instagram, edit videos, promote CTD's upcoming events
- Learned UI/UX basics through Figma during CTD Fall Cohort session, understood basics of effective design
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UCSC Kahaani - Finance Captain and Dancer May 2023 - Present

- Overviews fundraising, expenses made by team, team Venmo, ledgers for team and each team member
- Proactively communicates with Advisor as SOAR Fiscal Representative
- Works with board members to have the team compete nation-wide at Desi Dance Network competitions

Skills

- Java, Python, C++, HTML and CSS, Javascript, NodeJS, Git/Github, Swift and Xcode, Bootstrap 5, AWS, Django
- Developing Secure Software (LFD1D2) - Linux Foundation Certificate - Apr 2023