Roshini Pulle

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EDUCATION

University of California, Santa Cruz   **Sep 2021 - June 2025**
Bachelor of Science in Computer Science   GPA: 3.80
- Dean's Honor Student
- **Relevant Coursework:** Data Structures and Algorithms, Analysis of Algorithms, Principles of Computer Systems Design, Computer Architecture, Database Management, Machine Learning, NLP Fundamentals

PROFESSIONAL EXPERIENCE

UCSC Girls Who Code - President   **09/2022 – Present**
- Led a technical interview and cloud workshop in collaboration with **Google**, benefiting over **380** UC Santa Cruz students.
- Organized and ran weekly LeetCode sessions, enhancing **40+** members' technical interview skills and problem-solving abilities.
- Planned and executed **25+** events , including educational workshops, hackathons, and industry speaker sessions, and bonding events.
- Increased club membership by **80%** through targeted outreach and successful event planning.

Raytheon Technologies - Product Development Intern   **08/2023 – 12/2023**
- Led a team of **4** developers in the end-to-end product launch process, from ideation to deployment, ensuring alignment with business goals and user needs while consistently meeting tight deadlines.
- Collaborated with cross-functional teams to define product requirements and successfully deliver a minimum viable product within the project timeline.
- **Documented processes** and implemented **process improvements** that enhanced product development efficiency by 20%.
- Tracked and analyzed product performance metrics, providing insights that guided the team in future development and optimization efforts, enhancing overall product quality.

UC Santa Cruz Genomics Institute - Research Intern   **07/2022 – 09/2022**
- Streamlined data analysis processes by implementing Python scripts, achieving a **30%** reduction in processing time for spike sorting in neuronal networks using Kilosort.
- Minimized data clutter by optimizing data management workflows, enhancing the efficiency and accuracy of research data handling.
- Collaborated on AI-driven data analysis projects, integrating machine learning techniques to improve pattern recognition in genomic data.

PROJECTS

Multi Threaded HTTP Server [Course: CSE 130]
- Designed and implemented a multi-threaded HTTP server in C, integrating a thread-safe queue to concurrently serve multiple clients. Implemented synchronization strategies to ensure coherent and atomic linearization of client requests.

Official UCSC Girls Who Code Website
- Led the development and launch of a comprehensive Girls Who Code website, incorporating a resource hub, event calendar, member portal, and a blog to enhance user engagement and support **1,000+** students in STEM majors.
- Managed a cross-functional team of **12** developers and designers to implement a responsive design using React and Node.js.

SKILLS
- **Technical Skills: Python, Java**, C/C++, HTML/**CSS**, **JavaScript**, **React**, Git, Figma, SQL, Data Visualization
- **Program Management:** Agile methodologies, Jira, Documentation, Stakeholder Communication

CERTIFICATIONS
- **Product Management Fundamentals** - University of Virginia, 2024