

ANVITH VOBILISSETTY

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EDUCATION

University of California, Santa Cruz

Anticipated Graduation: Dec. 2025

Bachelor of Science, Computer Science

Relevant Coursework:

- Data Structures and Algorithms, Principles of Computer Systems Design, Computer Networking, Computer Architecture, Statistics for Engineering, Machine Learning, Computer Systems and C Programming, Artificial Intelligence

Honors/Awards:

- Dean's Honors 5x

EXPERIENCE

Hewlett Packard Enterprise, Santa Clara, CA

Jun. 2024 - Dec. 2024

Product Management Intern

- Designed a micro-services based k8s application to assist with the complete demonstration of OpsRamp's alert management and monitoring capabilities using Python, FastAPI, & OpsRamp API's
- Application enabled synthesizable real user scenario testing for development and product management teams, expanding demonstration capability and increasing sales team efficiency by an estimated 2x
- Close collaboration with VP Product Management for API requirement analysis, user-experience design and overall delivery
- Developed strong real world collaboration, problem-solving, communication, and presentation skills

Cisco Systems, San Jose, CA

Jun. 2022 - Aug. 2022

Software Engineering Intern

- Automated end-to-end performance testing for a k8s app using Python, Docker, and JMeter, reducing manual testing time by 30%
- Implemented an advanced monitoring system featuring real-time CLI status updates, enabling instant tracking of test progress and allowing proactive adjustments to the testing parameters
- Developed dynamic thread count adjustment logic based on initial runs, optimizing API call rates and achieving load testing objectives

PROJECTS

Scen-Gen (HPE) - Solo Project

- Designed, implemented, and released multi-purpose synthetic generator application built with Python, FastAPI, Numpy & OpsRamp internal API for quality assurance, sales, and engineering teams
- Built three internal API's, capable of provisioning custom environments for different types of resources, generating realistic tailored alerts and resources, and simulating user actions and product features on alerts
- Implemented LSTM(Long Short-Term Memory Network) trained on self-processed customer alert data to simulate realistic alerts, alert patterns, and to trigger complex product features

School-in-One - Collaborative Project

- Helped build a full-stack website that schools and tutors can use to foster increased student-teacher communication and post learning content
- Built a real-time communication platform using React for the front-end and Firebase for backend services
- Developed a scheduling and session management system with Node.js and Express allowing instructors to manage sessions, track attendance, and send automated reminders
- Implemented content access using Firebase Storage with basic authentication for secure file sharing

SKILLS

Programming Languages: Python (5+ yrs), C/C++ (3+ yrs), Java (2+ yrs), JavaScript(2+ yrs), SQL (2+ yrs),HTML/CSS (2+ yrs)

Frameworks & Tools: FastAPI, React, Node.js, Docker, Firebase, HPE Greenlake, AWS, Postman, Multipass

DevOps: Docker, Kubernetes