

# ANVITH VOBILISSETTY

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## EDUCATION

**University of California, Santa Cruz**, Santa Cruz, CA

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 Basics, Computer Systems and C Programming, Programming Abstractions

Honors/Awards

- Dean's Honors 5x

## EXPERIENCE

**Hewlett Packard Enterprise**, Santa Clara, CA

Jun. 2024 - Dec. 2024

*Software Engineering 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 collaboration, problem-solving 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, C/C++, Java, JavaScript, SQL, RISC-V, HTML, CSS

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

**DevOps:** Docker, Kubernetes