

Surendra Jammishetti

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EDUCATION

University of California, Santa Cruz

GPA 4.00

Bachelor of Science in Computer Engineering

Aug. 2023 – June 2026

Relevant Coursework

Linear Algebra, Discrete Mathematics, Physics: Kinematics, Waves, Optics, Computer Systems and C Programming

EXPERIENCE

Lead Software Engineer

March 2024 – Present

ConnectifyAI | Go, Python, Typescript, PostgreSQL, Docker

Santa Cruz, CA

- Leading a team of **10** Undergrads and masters students, making important decisions such as deciding the tech stack, and managing the Gitlab Repository.
- Utilizing Go and PostgreSQL to create a performant REST API for our services
- Learned Docker and GitLab Runner to automate backend deployments.
- Working with Professor Marinescu to research viable, performant methods to chain multiple AI/ML models.

Software Engineering Internship

Feb. 2024 – April 2024

Dream Voyage | Flutter, ADB, Firebase, Material UI

San Jose, CA

- Design a calendar for **1K** users, allowing for easy analysis of dream patterns.
- Work and communicate with a remote team to ensure code quality was standardized.
- Picked up flutter in a weeks notice, and successfully accomplished all tasks.

Artificial Intelligence Researcher

Nov. 2023 – Mar. 2024

ACM AI Research Lab | PyTorch, RAG, Kubernetes, Hugging Face

Santa Cruz, CA

- Created a performance analysis pipeline to quantify the effectiveness of using different latent spaces to find similarities between code and english
- Took the lead in finding a problem space for a group of 5 people to investigate.
- Developed a rudimentary RAG to ascertain the quality of responses with different model architectures.

PROJECTS

Term2Term | Rust, Go, PostgreSQL, Docker

June 2020 – Present

- Programming a Rust TUI client capable of sending encrypted messages to other clients
- Developing a Go server to store encrypted messages in database and direct messages between clients

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL (Postgres), JavaScript, Rust, Go, HTML/CSS

Frameworks: SvelteKit, Nuxt, React, Node.js, Django, Material-UI

Developer Tools: Arch Linux, NeoVim, Git, Docker, Kubernetes, Vercel, PlanetScale, Google Cloud Platform, VS Code, IntelliJ

Libraries: PyTorch, NumPy, Matplotlib