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*

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 descisions 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