

Sallar Farokhi

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github.com/sfarokhi

Education

University of California, Santa Cruz, MS in Computer Science Sept 2024 – December 2025

- Coursework: Advanced Computer Security, Deep Learning, Stream Processing, Computations on Encrypted Data, Cloud Computing

University of California, Santa Cruz, BS in Computer Science Oct 2020 – March 2024

- Coursework: Computer Systems and Architecture, Distributed Systems, Computer Networking, Cybersecurity, Databases, and Data Structures and Algorithms

Experience

Software Developer, HyperAnalytics – San Jose, CA June 2025 – Present

- Designed a local, multimodal application within the LangChain framework to fully automate company analytics with secure client data.
- Designed feature-based Pydantic extraction through QA prompts, using Redis for parsing B2B insights.
- Integrated the company's platform with AWS and various data sources, such as Slack and Telegram's API.

Teaching Assistant, Jack Baskin School of Engineering – Santa Cruz, CA Sept 2024 – Present

- Led office hours and tutoring sessions for 150+ undergraduates in courses including Computer Architecture, Computer Networking, and Computer Systems Design

Software Engineer Intern, Transfreight Marine Services PVT LTD – Hyderabad, India Sept 2023 – Sept 2024

- Provisioned AWS network architecture to host full-stack application using Terraform and implemented automated updates with Azure DevOps CI/CD pipeline
- Developed AWS Lambda functions to aggregate schedules and rates data about various freight shipping companies stored on PostgreSQL database

Certifications

Certified Kubernetes Application Developer (CKAD) March 2025

Projects

Kubernetes Job Scheduler Dec 2024 - Present

- Built Kubernetes controller to schedule jobs to improve cluster resource utilization and achieve sustainability

Secure Golang Proxy Jan 2025 - March 2025

- Built a trusted proxy using Golang to provide oblivious computation between the Kubernetes API server and the etcd, with minimal overhead.

Social Media Web Scraper Oct 2024 - Dec 2024

- Developed a script using Python and Selenium to scrape social media posts on Twitter for sentiment analysis
- Leveraged Google's Perspective Analyzer API to gauge sentiment in social media posts

Technologies

Languages: Python, Bash, SQL, C, C++, Java, Golang (GoT), JavaScript, PHP

Technologies: Docker, Kubernetes, Ollama, LangChain, Amazon Web Services (AWS), Google Cloud Platform (GCP), Azure, Terraform, Grafana, Apache, Flink, Nginx, Selenium, Redis, PostgreSQL, MySQL