

Sallar Farokhi

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Education

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| 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

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| 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

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| Certified Kubernetes Application Developer (CKAD) | March 2025 |
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Projects

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| 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