

HIMANSHU LADE

Sydney, Australia | +61 434 069 483 | himanshulade@hotmail.com | linkedin.com/in/himanshu-lade | github.com/Sharv619

PROFESSIONAL SUMMARY

Software Engineer with a founding engineer mindset, specialising in AI integration, high-performance infrastructure, and system reliability. Led disaster recovery with 100% data restoration, optimised load times by 88% (25s to 3s), and shipped open-source AI tooling with 450+ downloads in week one.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, Python, Dart, SQL

Frameworks: React.js, Next.js, Node.js, Express.js, Flutter, FastAPI, GraphQL

Cloud & DevOps: AWS (EC2, S3, Lambda, RDS), Docker, GitHub Actions, CI/CD, Nginx, Redis

AI & Data: RAG Architecture, LLM Integration, Gemini API, Mistral AI, Isolation Forests, Shannon Entropy, Vector Search, sentence-transformers

PROFESSIONAL EXPERIENCE

Founding Engineer | Ask Jay Services, Sydney

May – Oct 2025

- Led disaster recovery of breached production system, restoring 100% functionality with zero data loss by provisioning new AWS infrastructure and implementing security hardening
- Achieved 88% performance improvement reducing load times from 25s to under 3s through infrastructure refactoring and database query optimisation
- Architected three-sided Flutter marketplace from scratch, owning full SDLC from authentication to production deployment
- Engineered CI/CD pipelines using Docker and GitHub Actions enabling one-command zero-downtime production deployments
- Launched 700+ SEO-optimised landing pages driving regional expansion and organic traffic growth

Cloud Intern Australian Computer Society

Sep 2023 – Feb 2024

- Improved frontend performance ~33% for MERN stack application serving 200+ active users via React optimisation and code splitting
- Remediated 15+ high-priority security vulnerabilities based on OWASP Top 10, strengthening application security posture
- Collaborated in Agile sprints with QA engineers and product owners to deliver features on time

NOTABLE PROJECTS

LifeOS — Personal AI Calendar & Nudge Engine

Mistral AI x UNSW Founders Hackathon

- Built RAG pipeline ingesting personal Google Calendar, Fit, and Drive data using sentence-transformers and Mistral-7B for context-aware real-time personal nudges
- Engineered geolocation-triggered alert system delivering proactive AI prompts based on free time windows and proximity — e.g. gym nudge when near location and calendar is free
- Served real user data from backend (calendar events, location history, fitness records) with AI output verification layer before surfacing to UI

Technologies: Python, FastAPI, React, RAG, Mistral AI, Google APIs, sentence-transformers

Network Guardian AI — Threat Detection System

Google DeepMind Hackathon

- Built 3-stage ML detection pipeline using Shannon Entropy and Isolation Forests to identify malicious traffic, reducing API costs ~70%
- Deployed containerised microservices with Docker Compose and FastAPI for real-time network monitoring and threat analysis

Technologies: Python, FastAPI, React, Scikit-learn, Gemini API, Docker

CodeFlow-Hook — Multi-Agent AI Code Review Tool

Open Source

- Designed multi-agent system with specialised Security and Architecture agents for parallel code analysis and automated review
- Implemented RAG with vector search for context-aware code reviews — 450+ NPM downloads in first month

Technologies: Node.js, TypeScript, Gemini API, RAG, Vector Search, Docker

EDUCATION

Master of Computer Science(Majors Software Engineering) | University of Wollongong, NSW

Bachelors of Engineering Computer Technology | Nagpur University, India