Dhanush Kandhan

+91-6381273532 | akadhanu@proton.me | Bangalore, India
linkedin.com/in/dhanushkandhan | github.com/dhanushk-offl | dhanu.letretro.com

Professional Summary

Software engineer and AI builder with experience in AI systems, full-stack engineering, and customer-facing deployments. Built a SaaS product with paying customers, owning solutions end-to-end from architecture to production. Focused on solving customer problems through rapid iteration and reliable software.

Experience

Stitchflow Inc. Chennai, India
Developer Architect Intern *Jul 2025 – Sep 2025*

- Built an **AI pipeline using n8n and dashboard application** that automatically scans, analyzes, and risk-scores every **SaaS app within an org**, replacing **3-hour manual security reviews** with a **3-minute automated dashboard**.
- Worked directly with **IT and security teams** across **20+ client orgs** to validate findings and tune risk thresholds, deploying against **500–2,500 apps per flow** in each environment.
- Addressed **LLM knowledge gaps** on obscure apps by combining **real-time web scraping** with **LLM classification**, ensuring up-to-date analysis instead of hallucinated data.
- Maintained a **centralized app report database** so the AI pipeline runs only for new apps on each onboard, cutting **AI API costs by 15%**.

Talentship Chennai, India
Software Engineering Intern *Aug 2024 – Oct 2024*

- Rebuilt key interfaces of **SmartGoals**, an internal platform used by **100+ employees** for managing certifications and learning objectives — using **Next.js**.
- Overhauled **frontend architecture** with an **atomic file structure**, optimized **useEffect hooks**, and handled all API response states, boosting **PageSpeed Insights from 45% to 98%**.
- Moved **file-processing from server to client-side**, cutting server I/O by **5%**, validated via **Datadog logs and reports**.
- Delivered a **consistent, responsive UI** across all devices, eliminating bottlenecks from the legacy frontend.

Projects

Hallx | *LLM Evaluation & Hallucination Detection Library* github.com/dhanushk-offl/hallx Apr 2026 – Present

- Built and published an open-source **evaluation pipeline** for LLM outputs using schema validation, context grounding, consistency analysis, and structured output verification — without requiring a second LLM as judge.
- Defined evaluation metrics that catch hallucination-related failures pre-production, reducing **eval costs by 12%** in AI agent workflows while reaching **2,000+ PyPI downloads**.

LetRetro | *AI-powered Sprint Retrospective Platform* letretro.com Jul 2025 – Present

- Built and launched a production AI-powered retrospective SaaS (microSaaS) using **Next.js**, **PostgreSQL**, and **WebSockets**, taking it from architecture to live paying customers.
- Built AI-powered doc generation, team insights, and **MCP-based automation**, including a queue-based job system to handle AI API retries/failures, turning retrospective boards into actionable tasks via Slack, Jira, Github and more.
- Reached **200+ real users** and a paying customer base, owning the full lifecycle onboarding, support, and iterative enhancements with end-to-end customer feedback.

Technical Skills

Programming: Python, TypeScript, JavaScript, SQL, Rust
AI Engineering: LLMs, AI Agents, RAG, MCP, LangChain, Prompt Engineering, Tool Calling, Vector Databases, Embeddings
Backend & Integrations: FastAPI, Node.js, Express.js, REST APIs, WebSockets, OAuth, Webhooks, API Integrations
Frontend: React, Next.js, Svelte, Tailwind CSS
Infrastructure: PostgreSQL, Redis, Docker, AWS, GCP, CI/CD, Git, Linux/Unix
Core CS: System Design, Distributed Systems, Data Structures & Algorithms, Object-Oriented Programming, Computer Networks

Education

C. Abdul Hakeem College of Engineering and Technology Ranipet, India
Bachelor of Technology in Information Technology, ***GPA: 8.2*** *Nov. 2022 – May 2026*

Highlights

- **Winner** — Smart India Hackathon 2025, Software Edition (national-level government hackathon).
- **Winner** — Software & FOSS Hack 2026, open-source software development hackathon.
- **Published research** on AI-driven image processing at **Cambridge Open Engage** (2023): doi.org/10.33774/coe-2023-h8wd9.
- Creator & Maintainer **5+ opensource projects**. (Guro, Clynk, Hallx, Prevu, Agent Terminal, renCal)