

OBJECTIVE

CS Engineer architecting the future of Agentic AI with Opencode, leveraging intelligent subagents and skills to build production-grade LLM systems.

EDUCATION

Adani University <i>Computer Science Engineering – 8.50 CGPA</i>	Ahmedabad, Gujarat, India 2022 – 2026
Senior School Certificate Examination Secondary School Examination <i>New Tulip International School (92.2%) Udgam School for Children (93.2%)</i>	Ahmedabad, Gujarat, India 2022 2020

CERTIFICATIONS

Introduction to Model Context Protocol & Advanced Topics <i>issued by Anthropic</i>	Dec 2025
AWS Academy Graduate - AWS Academy Cloud Developing <i>issued by Amazon Web Services Training and Certification</i>	Nov 2024

TECHNICAL SKILLS

Languages: Python, TypeScript, JavaScript
AI: LLMs, Open-Source LLMs & Embeddings, Agentic RAG, MCP, Agentic AI
Frameworks: React, NextJS, ElectronJS, ExressJS, HonoJS, TailwindCSS, Zod, Shadcn-UI, OpenAI SDK, OpenAI Agents SDK
Developer Tools: Git, Postman, Bruno, AWS, Cloudflare, Linux, npm, bun, pip, uv, Docker

INTERNSHIP

ProductSquads A2A, LLMs, Agentic RAG, MCP, Agentic AI <i>AI Intern</i> <ul style="list-style-type: none">Won Jury Special Award in Praveg × ProductSquads Codeathon for developing an A2A compatible Intelligent Document Processing Agent, subsequently engineering it into a production-ready serverless architecture on AWS Lambda using Vision LLMs for automated OCR, classification, and metadata extraction.Architected a VLM-driven extraction pipeline using Qwen3-VL to parse complex hierarchical tables from financial PDFs with >90% accuracy.	Ongoing
Meru Fintech ElectronJS, Microservices, gRPC, TypeScript, React, TailwindCSS <i>Full Stack Intern</i> <ul style="list-style-type: none">Engineered a full-stack Tally integration solution with a desktop application and backend microservice, solving Tally's lack of a cloud-based API for hellobooks.ai.Architected a custom OAuth2-like authentication framework with PKCE to ensure secure communication between the web, desktop client, and backend services.Managed the full software development lifecycle for the desktop application, including establishing a CI/CD pipeline and building advanced CLI tools for dynamic configuration, logging, and performance optimization.	8 Weeks

PROJECTS

- Deep Research Agent – Autonomous Web Research Agent** | *Autonomous Multi-Agent System, Recursive Research Loops, Chain-of-Thoughts*
 - Engineered an autonomous multi-agent system using Python and FastAPI that performs recursive web research and synthesis, reducing manual information gathering time by 90%.
 - Implemented an asynchronous research pipeline with configurable depth/breadth controls, utilizing DuckDuckGo for search and BeautifulSoup for high-performance content scraping.
 - Implemented a scalable orchestration layer using OpenAI Agents SDK to coordinate specialized Query, Search, and Synthesis agents for complex problem-solving tasks.
- GDPR Compliance Intelligence Platform** | *Hybrid Retrieval (Dense+Sparse), RRF, Multi-Query Expansion, Multi-Modal ETL*
 - Architected an enterprise-grade Multi-Modal RAG system combining Hybrid Retrieval (Dense + BM25) and RRF to optimize search relevance for complex legal compliance queries.
 - Built a high-fidelity ETL pipeline using unstructured and GPT-4o Vision to ingest complex documents, automatically generating searchable metadata for non-text elements like charts and tables.
 - Implemented an advanced Multi-Query Expansion layer and scalable async architecture using Redis and pgvector, significantly improving recall and system throughput.
- Clickify – URL Shortener with Analytics** | *TS, ReactJS, Docker* | [clickify.hetav.dev](#) | [github.com/Hetav21/clickify](#)
 - Built a full-stack URL shortener with a comprehensive analytics dashboard that tracks clicks and user device information.
 - Developed a backend with custom URL generation and a secure authentication system, leveraging Docker to simplify the development workflow.