

Harish Chittiboina

Full Stack & AI Engineer · LLM & RAG Specialist · DevOps Engineer

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PROFESSIONAL SUMMARY

Results-driven Full Stack & AI Engineer with **2+ years** building production-grade intelligent systems, including **fine-tuned open-source models** for AI evaluation and context-aware data protection. Delivered **10+ live products** across AI, SaaS, e-commerce, and academia for startups in **India and the US**. End-to-end ownership from model fine-tuning and LLM/RAG architecture through cloud deployment. Open to full-time and contract roles in AI engineering, full-stack development, or DevOps.

WORK EXPERIENCE

Full Stack, AI & DevOps Engineer | 2023 – Present
Freelance Contractor · India & US Startups

- Built Securelay, an AI governance and data privacy vault for LLM/RAG pipelines with context-aware PII protection, masking/tokenization, and safe model processing.
- Implemented consent management, policy enforcement, DPDP/GDPR controls, and tamper-evident audit evidence for Securelay data access.
- Fine-tuned Qwen models for Apranova and HireYouGo to evaluate code, rank resumes, generate tailored questions, and route them to voice AI interview agents.
- Designed, shipped, and deployed full-stack AI platforms with React, Next.js, Node.js, Python, Terraform, AWS EC2, Docker, CI/CD, and Supabase PostgreSQL.

FEATURED PROJECTS

VPN4PDF <i>Document AI</i> Localizes PDF, PPTX, and DOCX files with vision detection, generative edits, verification, and layout-preserving reconstruction. Stack: FastAPI, OpenAI GPT Vision, PyMuPDF, AWS EC2, Terraform, Supabase PostgreSQL, Docker	<i>Private build</i>	SEO AI <i>AI Visibility Platform</i> Tracks visibility across six AI engines with prompt tracking, competitor benchmarking, sentiment, source-traceable mentions, and white-label reports. Stack: Next.js, DataForSEO, OpenAI, Gemini, Perplexity, AWS, Supabase PostgreSQL, Docker	<i>View live</i>
Securelay <i>AI Governance & Data Privacy</i> AI governance and data privacy vault for LLM/RAG pipelines with context-aware PII protection, consent management, DPDP/GDPR controls, policy enforcement, and audit evidence. Stack: Go, Python, FastAPI, PostgreSQL, Cedar, AWS KMS/EKS, Kubernetes, Terraform, Docker	<i>View live</i>	Apranova <i>E-Learning Platform</i> Enterprise learning and simulation platform with browser-based VS Code, AI tutoring, RAG support, auto-graded assessments, analytics, and AWS workspaces. Stack: Next.js, LangChain, LangGraph, Gemini, AWS, Terraform, Supabase PostgreSQL, Docker	<i>View live</i>
HireYouGo AI <i>AI Recruiting Platform</i> Semantic resume ranking, GitHub and document analysis, browser-based coding, adaptive Qwen evaluation, and voice AI interviews. Stack: Next.js, Qwen Fine-Tuning, Qdrant, Retell AI, AWS, Terraform, Supabase PostgreSQL, Docker	<i>View live</i>	Vibhillion AI <i>Agentic AI Search</i> Cited web research, RAG knowledge bases, Gemini/OpenAI/Ollama routing, specialized agents, and domain-tuned embeddings. Stack: Next.js, LangChain, Gemini, OpenAI, Ollama, Qdrant, AWS, Docker	<i>View live</i>
Intelli Global Conferences <i>Academic Platform</i> Academic conference management for submissions, blind peer review, registration, payments, certificates, and AI review assistance. Stack: Next.js, Sanity CMS, PostgreSQL, AWS, Docker			<i>View live</i>

SKILLS & EXPERTISE

AI & LLMs	Qwen 7B, Qwen 3, Gemini, OpenAI, RAG, LLM Fine-Tuning (Soup, YAML)	AI Evaluation	Context-Aware PII Detection, Masking, Tokenization, Code Evaluation, Resume Ranking
Agent Engineering	Voice AI Agents, Question Generation, LangChain Agents, Tool Calling, MCP	Vector Search	Pinecone, Qdrant, Chroma, Weaviate, Embeddings, Semantic Search
Backend & APIs	Node.js, Python, Go, REST APIs, GraphQL, Webhooks	Frontend	React, Next.js, TypeScript, Tailwind CSS, JavaScript
Cloud & DevOps	AWS, EC2, Terraform, Docker, Kubernetes, CI/CD, Git, Linux	AI Workflows	Prompt Engineering, RAG Pipelines, Agent Tools, Model Evaluation

EDUCATION

B.Tech — CS & Machine Learning | 2022 – 2026
Raghu Institute of Technology · Visakhapatnam · CGPA: 7.43

LANGUAGES

English · Hindi · Telugu

CERTIFICATIONS

Python Programming | Infosys · 2024
Machine Learning | Infosys · 2024

INTERESTS

Solving Problems Using Technology & AI