

VICKY

CTO & Backend/AI Engineer

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SUMMARY

AI/Backend Engineer and CTO who designs and ships automation from scratch rather than patching workflows with AI band-aids. Built multi-agent orchestration systems (100+ coordinated workers), a centralized LLM gateway handling key rotation and rate limiting across production products, and an agent-facing retrieval SDK. Comfortable owning a process end-to-end , diagnose the friction, design the system, ship it in Python/Node.js/FastAPI, and prove the impact.

EXPERIENCE

CTO & Backend/AI Engineer

CompetenceAI Ed Tech Pvt Ltd

05/2025 - Present

- Leading backend architecture and AI research
- Designed scalable APIs, data pipelines and AI assessment systems
- Built a centralized LLM gateway to automate key rotation and rate limiting across products
- Built custom automation pipelines for data preparation
- Defined technical strategy and product scalability

Co-Founder & CTO

ClauseAI

2025 - Present

- Led AI architecture for legal document analysis using a multi-agent (Tribunal) pipeline
- Built clause extraction and risk detection engine, replacing manual document review

Founder & Full Stack Developer

Cipher Tools Hub

07/2025 - Present

- Built SaaS cybersecurity platform with autonomous AI agent workers
- Owned architecture, deployment and security end-to-end

Backend Developer

EverSincere Clothing

10/2025 - Present

- Developed backend services and improved reliability/performance

EDUCATION

B.Tech, Computer Science

Jaypee University, Anoopshahr

CGPA: 8.5 / 10.0

2025-2029

SKILLS

LLM Integration, Generative AI
Multi-Agent Systems
Python, JavaScript, TypeScript
Node.js, Express.js, FastAPI
REST APIs, MongoDB, Redis
PostgreSQL, Supabase
C, C++, SQL, Bash
React.js, Next.js, React Native
HTML, CSS, Tailwind CSS
Docker, Git, GitHub
Google Cloud, Vercel, Render
Netlify
NumPy, Pandas
Cybersecurity, OWASP Top 10

PROJECTS

Agent Shield
Autonomous AI pentesting framework; built a 3-tier agent topology (Orchestrator + 4 Domain Lead Agents + 121+ workers) with a cognitive-swarm DebateEngine

ClauseAI
Multi-agent legal document analysis platform with a Tribunal dual-agent pipeline for clause extraction and risk detection

NexusLLM
Centralized LLM gateway automating API key rotation and rate limiting across three production AI products

Maple AI
AI exam prediction engine integrating NVIDIA NIM (Kimi K2.5) for mock-test generation, with rolling-window model optimization

Waymap Web Vulnerability Scanner
Modular open-source web vulnerability scanner with a built-in AI component; creator and maintainer

CompetenceAI B2C
AI-powered exam preparation platform with Maple prediction engine

CompetenceAI B2B
Institute partnership platform

CompetenceCode
Coding practice platform with 700+ problems

Cipher Tools Hub
SaaS cybersecurity platform

EverSincere Clothing
E-commerce backend