

Nidhi Sharma

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AI & Full-Stack Engineer · LLM & RAG Architect · Web3 Developer

PROFESSIONAL SUMMARY

AI & Full-Stack Engineer with **2+ years** building production-grade RAG pipelines, LLM-powered automation systems, and decentralized applications (dApps). Expert in end-to-end system design with FastAPI, Next.js, React.js, and Solidity. Delivered **6 live products** with measurable outcomes: **35% faster API response** via Redis caching, **40% improved RAG retrieval accuracy**, and **99.9% uptime** across containerized services using Blue-Green deployment on Docker.

TECHNICAL SKILLS

AI / GenAI	RAG Architecture, LLM Integration, OpenAI GPT-4o, DeepSeek, Ollama, Groq, Prompt Engineering, Vector Embeddings
Languages	Python, JavaScript (ES6+), TypeScript, Solidity, SQL, HTML5, CSS3
Backend	FastAPI, Node.js, Express.js, RESTful APIs, JWT Auth, RBAC, Strapi CMS, Microservices
Frontend	React.js, Next.js, Tailwind CSS, MUI, Bootstrap, Wagmi, Responsive Design
Databases	PostgreSQL, MongoDB, Redis, Pinecone, ChromaDB (Vector DBs)
DevOps & Cloud	Docker, Kubernetes (K8s), Terraform, Ansible, CI/CD, Prometheus, Grafana, Linux
Web3 / FinTech	Solidity, Hardhat, Ethers.js, Viem, MetaMask, Smart Contracts, Stripe Payments

PROFESSIONAL EXPERIENCE

Oklabs · Neemuch, MP Apr 2025 – Present

AI & Full-Stack Engineer

- › Built scalable full-stack AI applications integrating LLMs (OpenAI, DeepSeek) using React.js, Node.js, FastAPI, PostgreSQL, and MongoDB — deployed to production serving real users.
- › Reduced API response time by **35%** through Redis caching, advanced query optimization, and efficient database indexing.
- › Architected RESTful APIs with full CRUD, JWT-based authentication, and RBAC across multiple product lines.
- › Achieved **99.9% uptime** across 3 containerized services over 6-month production deployment using Docker Blue-Green strategy with zero-downtime releases.

Dollar Infotech · Neemuch, MP Apr 2023 – Mar 2025

Web3 & MERN Stack Developer

- › Developed 5+ production dApps with full Ethereum smart contract integration using Solidity, Hardhat, and Ethers.js/Viem.
- › Built React.js frontends integrated with Web3 APIs, MetaMask wallet authentication, and real-time transaction tracking.
- › Designed secure blockchain-based workflows handling crypto transactions with **100% on-chain transparency** and auditability.
- › Managed wallet library migrations (Web3.js → Ethers.js → Viem), maintaining backward compatibility across major version upgrades.

KEY PROJECTS

Jarvis AI — LLM-Powered Task Automation

jarvis.nidhisharma.online

- › Engineered a multi-domain AI assistant: WhatsApp messaging, email delivery, news summarization, mood-based recommendations via intelligent prompt orchestration.
- › Voice-enabled, hands-free NLU interaction; Blue-Green deployed for zero-downtime and high availability.

Examforgee — AI Exam Paper Generator (RAG)

examforge.nidhisharma.online

- › Full RAG pipeline: PDF parsing → semantic chunking → vector embeddings → LLM-based dynamic question generation.
- › Improved retrieval accuracy by **40%** via embedding similarity search; MongoDB + Vector DB storage.

VidyaAI — AI-Driven Educational Platform

vidyaaai.nidhisharma.online

- › Full-stack learning platform with AI-generated quizzes, real-time leaderboards, badge rewards, and personalized sessions.
- › **30%** DB query & API response improvement; React.js + TypeScript frontend.

Cudobe — Decentralized Escrow Platform

cudobe.nidhisharma.online

- › Trustless ETH escrow smart contracts in Solidity + Hardhat, 100% on-chain buyer-seller lifecycle transparency.
- › Hooks-based React.js frontend with MetaMask auth and real-time transaction state via Web3 APIs.

EthPay — Fiat-to-Crypto Payment Gateway

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- › Next.js + Viem high-performance gateway; Wagmi hooks reduced client-side boilerplate by **60%**.
- › Real-time on-chain transaction history ledger with automated tracking and multi-wallet support.

RapidDial — Business Discovery Platform

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- › Full-stack listing platform: PostgreSQL + Strapi CMS, **40%** faster content delivery via optimized API responses.
- › Redux centralized state management, improving UI responsiveness across complex search workflows.

EDUCATION

Bachelor of Computer Applications (BCA)

2024 – 2027

Gyanodaya University, Neemuch, Madhya Pradesh

Publication: *Sustainable Development of Science in the Field of Machine Learning*

CERTIFICATIONS & TRAINING

◆ **Generative AI** — Coursera / Google

◆ **SQL Advanced** — Coursera / Google

◆ **Agile Project Management** — PMI / Coursera

◆ **Junior Cybersecurity Analyst Path** — Cisco

◆ **DevOps Fundamentals** — Linux Foundation

◆ **CRUD Operations in MongoDB** — MongoDB University

◆ **ML & AI Fundamentals** — Coursera

◆ **Dark Web, Anonymity & Cryptocurrency** — Cybersecurity Track