

VISHAL SINGH

Full Stack Developer with AI Integration

Jodhpur Rajasthan | +91 95090 75612 | vishalsinghraj2005@outlook.com | Portfolio | LinkedIn | Github

CAREER SUMMARY:

Full Stack Developer with hands-on experience building web and AI applications using JavaScript, Python, React.js, Next.js, and Node.js. Skilled in integrating large language models and multi-agent workflows using LangChain and LangGraph. Looking for an opportunity to work in a dynamic tech environment.

RELEVANT PROJECTS:

LinkUp | Personal Web Project | September, 2024

Tech Stack: React 19, Node.js 20, Express.js, WebRTC, Socket.io, Docker.

- Developed a high-concurrency, real-time messaging and WebRTC video collaboration platform using React 19, Node.js 20, and Socket.io.
- Implemented secure, end-to-end encrypted messaging systems supporting both group messages and one-on-one communication.
- Integrated WebRTC to enable low-latency, high-quality one-on-one video calls.
- Containerized the application using multi-stage Docker builds and successfully deployed it to AWS EC2.

Analytics Platform | Personal Web Project | August, 2026

Tech Stack: LangGraph, Gemini LLM, FastAPI, PostgreSQL, Next.js 16, NextAuth.js, TypeScript.

- Engineered a multi-agent data analytics platform to eliminate bottlenecks in manual data cleaning, visualization, and analysis.
- Built a compiled cyclic state machine using LangGraph and integrated the Gemini LLM via FastAPI and PostgreSQL.
- Enabled users to perform automated data analysis, statistical auditing, and data cleaning seamlessly.
- Implemented dynamic code generation for data analysis, executing safely within a virtual sandbox environment.
- Integrated AI-powered code fixers and agent assistance to ensure quick error recovery and optimal execution speed.

Puppy Blogger | Blogging Web Platform | September, 2026

Tech Stack: Next.js 16, Node.js, Express.js, MongoDB, Discriminator MongoDB TypeScript, Zod.

- Developed a distraction-free blogging web platform using Next.js 16, Node.js, and Express.js.
- Designed a robust database architecture using MongoDB integrated with TypeScript.
- Implemented strict runtime data validation and type checking using Zod alongside MongoDB.

EDUCATION:

2023 - 2026 | G.D. Memorial College

Bachelor of Computer Application | 8 CGPA

SKILLS:

- **Programming Languages** | JavaScript, TypeScript, Python
- **Frontend** | Next.js, React.js, React Query, Tailwind CSS, Redux and Zustand
- **Backend** | Node.js, Express.js, FastAPI, Prisma ORM, Socket.IO
- **Databases** | MongoDB, Postgres, Redis
- **DevOps** | Git, GitHub, GitHub Actions, Docker, AWS EC2
- **AI and RAG** | LangChain, LangGraph, OpenAI
- **Tools** | Antigraviry, Codex