

LAKSHYA SHARMA

FULL STACK DEVELOPER

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PROFILE

Aspiring Full Stack AI Developer seeking to build scalable, intelligent applications using modern web technologies and generative AI. Passionate about solving real-world problems through clean architecture, performance optimization, and user-centric design while continuously growing as software professional.

EDUCATION

Maharaja Surajmal Institute Bachelor of Computer Applications CGPA- 8.1	Jan 2021 — Jan 2024
Bal Bhavan Public School New Delhi CGPA - 8.9	Jan 2020 — Jun 2021

TECHNICAL SKILLS

React	• Next.js	• TypeScript	• JavaScript
Tailwind CSS	• Redux	• Node.js	• Express.js
REST APIs	• JWT Authentication	• MongoDB	• PostgreSQL
Git	• GitHub	• Docker	• Vercel
Python	• FastAPI	• Generative AI	• OpenAI API
LangChain	• LangGraph	• AI Agents	• Retrieval Augmented
Vector Databases	• LLMs	• Agent SDK	Generation (RAG)

PROJECTS

ChaiCode AI Assistant

- Built a full-stack AI learning assistant with real-time chat and course-based learning using Next.js 14, React, TypeScript, and Tailwind CSS (shadcn/ui).
- Developed Node.js/Express backend with MongoDB; implemented JWT authentication with Google OAuth 2.0 support.
- Integrated LangChain-based RAG using Qdrant vector DB plus multi-model support (Gemini + OpenAI) for context-aware tutoring.

PersonaAI

- Built an interactive AI chat platform with customizable personas using React 18, TypeScript, and Vite; designed a cyberpunk dark-neon UI with Radix UI and GSAP animations.
- Developed a Node.js/Express REST API with PostgreSQL + Drizzle ORM, including protected routes and session-based authentication.
- Integrated OpenRouter API for multi-model AI responses; containerized with Docker and deployed on Render.

ThumbnailAI

- Built an Ai-powered YouTube thumbnail generator using React + TypeScript (Vite) with Tailwind CSS, shadcn/ui, and Framer Motion.
- Developed a Node.js/Express backend with MongoDB; implemented JWT authentication with Google OAuth and thumbnail generation history.
- Integrated Gemini (image generation) and OpenRouter (prompt enhancement) to improve thumbnail quality from natural language prompts.