

Aditya Thakur

Delhi | adityathakur1709@gmail.com | +91 9667451545 | Portfolio: adityax.space

linkedin.com/in/aditya-thakur-267991229/ | github: adityathakur17

Skills

Front End: HTML, CSS, Javascript, TypeScript, React, ContextAPI, Tailwind CSS

Backend: Node.js, Express.js, Django(python)

GenAI: LangChain, LangGraph, Agent SDK, RAG

Languages: JavaScript, TypeScript, Python

Tools: Docker, Git, Github, Postman

Database: MongoDB, PostgreSQL

Education

Guru Gobind Singh University, B.Tech Computer Science Engineering 2021 – 2025

- CGPA: 8.36

Class 12, National Victor Public School, CBSE 2020 - 2021

- Percentage: 83.8%

Class 10, National Victor Public School, CBSE 2018 - 2019

- Percentage: 86.4%

Experience

Full Stack Web Developer, Staar Payout May 2025 - November 2025

- Improved application security through secure coding practices, and Vulnerability Assessment and Penetration Testing (VAPT).
- Contributed to front-end enhancements focused on performance, responsiveness, and user experience.
- Worked on utility logic and interactive features to support better user input handling and security practices.
- Improved backend robustness through structured error handling and defensive programming techniques.

Projects

CodeNexus (MERN, Gemini API, Tailwind CSS, ShadCN, Acernity) [Live Link](#)

- Developed a full-stack web IDE that enables users to write, preview, and save HTML/CSS/JS code in real-time, with personalized codebase management via Clerk authentication.
- Integrated Generative AI (Gemini-2.0-flash) to provide intelligent code suggestions and explanations using prompt-based NLP.

NotebookLM (Next.js, LangChain, OpenAI SDK, RAG, Clerk Auth, ShadCN) [Github](#)

- Built an AI-powered retrieval-augmented chatbot using LangChain, OpenAI, and Qdrant, capable of refining user queries, generating hypothetical answers (HyDE), and retrieving semantically relevant information for context-aware responses.
- Integrated vector similarity search with Qdrant Vector Store and OpenAI embeddings to enable intelligent document retrieval and context-based answer generation
- Implemented multi-stage prompt engineering (RAG) pipeline query rewriting,

RoughNote (Next.js, NeonDB, Prisma, Clerk Auth, ShadCN) [Live Link](#)

- Built a full-stack journal application using Next.js and React, enabling users to securely write, manage, and analyze personal journal entries.
- Created a Mood Analytics Dashboard with graphical analysis
- Designed a feature to create and manage collections, allowing users to group and organize their entries effectively.