Aditya Thakur

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Projects

CodeNexus (MERN, Gemini API, Tailwind CSS, ShadCN, Aceternity)   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.
- Designed a robust backend with Express and MongoDB to persist user-generated codebases, supporting multiple files per project and relational links to users.
- Created a dynamic Projects Dashboard to fetch and display user-specific codebases with real-time updates and modular card components

RoughNote (In Progress)   github.com/adityathakur17/RoughNote

- Built a full-stack journal application using Next.js and React, enabling users to securely write, manage, and analyze personal journal entries.
- Integrated Clerk authentication for secure user sign-up, login, and session management with role-based access.
- Designed a feature to create and manage collections, allowing users to group and organize their entries effectively.
- Integrated Shadcn UI and Tailwind CSS for responsive, accessible, and aesthetically pleasing user interfaces.
- Enforced API rate limiting using ArcJet, enhancing security and preventing abuse of public endpoints.

Experience

Apprenticeship, GSSOC   Oct 2024

- Worked under mentors and completed postman challenge
- Technologies worked on - Javascript, React

Skills

Front End: HTML, CSS, Javascript, TypeScript, React, ContexAPI, Tailwind CSS
Backend: Node.js, Express.js
Tools: Git, Github, Postman
Database: MongoDB, PostgreSQL

Education

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

- CGPA: 8.2

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

- Percentage: 83.8%

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

- Percentage: 86.4%