Jay Patel

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SUMMARY

Full-stack developer specializing in the MERN ecosystem, with hands-on experience in building secure, scalable, and responsive web applications. Adept at solving complex problems and delivering optimized user experiences.

PROJECTS

Decentralized Vault – Web3 File Storage Platform   Live Demo · GitHub

React.js · Node.js · MongoDB · Solidity · IPFS · Ethers.js · MetaMask · JWT

- Accomplished a secure decentralized file storage system as measured by tamper-proof and transparent data access by integrating Solidity smart contracts with IPFS and MetaMask wallet authentication.
- Improved system security and reliability as measured by 100% prevention of unauthorized access and enhanced data integrity by implementing JWT authentication, encryption, and a Node.js/Express + MongoDB backend.
- Delivered a seamless Web3 user experience as measured by faster file interactions and improved scalability by developing a responsive React.js frontend synchronized with blockchain data in real time.

PromptX – AI Prompt Enhancement Web Application   Live Demo · GitHub

Next.js · React.js · Tailwind CSS · Groq API · Vercel

- Accomplished improved LLM prompt accuracy and relevance as measured by higher-quality model responses by developing a web application that refines and optimizes user prompts using Next.js API routes.
- Enhanced user interaction and performance as measured by faster prompt refinement and smoother UX by designing a responsive, scalable UI with Tailwind CSS and integrating the Groq API for advanced prompt processing.
- Delivered a production-ready deployment as measured by reduced latency and efficient load handling by optimizing build configurations and deploying the lightweight backend architecture on Vercel.

StyleNest – Full-Stack E-Commerce Platform   Live Demo · GitHub

Next.js · React · TypeScript · TailwindCSS · Payment Gateway · Vercel

- Developed a modern, scalable e-commerce platform using Next.js, React, and TypeScript featuring product discovery, cart management, and secure multi-option payments through an integrated gateway.
- Built a mobile-first, high-performance interface with TailwindCSS and implemented comprehensive state management for cart persistence, user sessions, and product inventory optimization.

EDUCATION

B.Tech in Information Technology, **G.H. Patel College of Engineering and Technology, CVM University, Gujarat** (2022–present)   GPA: 7.1/10

SKILLS

Programming Languages	JavaScript, TypeScript, HTML, CSS, Tailwind CSS
Frameworks & Libraries	React.js, Next.js, Node.js, Express.js, Problem Solving, Debugging
Databases & Tools	MongoDB, GitHub, Postman, Vercel