

Jay Patel

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EDUCATION

Bachelor of Technology in Information Technology

G.H. Patel College of Engineering and Technology (GCET), CVM University, Gujarat

June 2022 – Present

TECHNICAL SKILLS

Programming Languages : JavaScript, CSS, HTML, Tailwind CSS, Typescript

Frameworks & Libraries : React.js, Node.js, Express.js

Databases & Tools : MongoDB, GitHub, Postman, Vercel

PROJECTS

Decentralized Vault – Web3 File Storage App:- [Live Demo](#)

April 2025

(React.js · Node.js · MongoDB · Solidity · IPFS · Ethers.js)

- Developed a decentralized file vault that enables secure, private image storage and access using blockchain and IPFS.
- Built with **React.js** for a responsive, dynamic frontend featuring pagination, loading states, and smooth image rendering.
- Implemented **MetaMask authentication with JWT**, ensuring only the rightful owner can access uploaded files.
- Wrote and deployed **Solidity smart contracts** to record IPFS hashes on-chain, providing tamper-proof tracking.
- Applied **AES-256 encryption** on file uploads with client-side decryption using the user's private key.
- Designed a **Node.js + Express backend** to handle authentication, encryption, and metadata storage in MongoDB.
- **Complexity Level:** High — combined blockchain, encryption, backend APIs, and frontend integration, making it significantly more advanced than traditional web apps.

PromptX– AI Prompt Enhancer Web App:- [Live Demo](#)

June 2025

(Next.js · React.js · Tailwind CSS · Groq API)

- Built a web application that simplifies and improves prompt creation for LLMs, with a strong focus on scalability, usability and clean deployment.
- Developed with **Next.js**, taking advantage of server-side rendering to boost performance and SEO.
- Crafted a **modern, responsive UI using Tailwind CSS** and a smooth user experience across devices.
- Implemented **Next.js API routes** to power prompt refinement logic, creating a lightweight yet flexible backend layer.
- Deployed on **Vercel** with automated CI/CD pipelines, enabling fast, reliable, and scalable hosting.
- **Complexity Level:** Medium — involved combining **prompt-engineering logic, polished UI/UX design, and deployment workflows**, making it more sophisticated than a static site while leaner than blockchain-heavy projects.

CineStream – Netflix-Style Streaming Web App:- [Live Demo](#)

June 2025

(React.js · Vite · TMDB API · Vercel · dotenv)

- Developed a Netflix-inspired streaming interface that delivers dynamic movie browsing with real-time data from TMDB.
 - Built with **React.js (Vite setup)** to replicate Netflix's carousel layout and interactive browsing experience.
 - Integrated with the **TMDB API** for live movie data, poster images, and metadata rendering.
 - Secured API keys using **dotenv**, ensuring sensitive credentials remain private.
 - Deployed on **Vercel** with CI/CD pipelines for fast, scalable, and reliable hosting.
 - **Complexity Level:** Medium — combined **API integration, responsive UI/UX design, and secure deployment**, making it more sophisticated than a static UI clone while lighter than a full backend-driven app
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