Neeraj Patel

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Summary

Final-year Computer Science Engineering student specializing in full-stack web development (MERN). Deployed 4+ AI-driven applications with 50+ active users, optimizing performance and user experience. Skilled in scalable architecture, REST API development, JWT authentication, and modern UI frameworks using React, Node.js, Express, and Firebase. Interested in developing AI-powered applications that address real-world challenges, focusing on performance, scalability, and user impact.

Technical Skills

Languages: Java, JavaScript (ES6+), TypeScript, HTML5, CSS3, SQL
Frontend: React, Redux Toolkit, Recoil, Tailwind CSS, Bootstrap, shadcn/ui
Backend: Node.js, Express.js, Socket.IO, Firebase, REST APIs, JWT, bcrypt, Clerk
Databases: MongoDB, MySQL
AI Integration: Google Gemini API
Design: Figma (Basic)
Tools: Git, GitHub, Postman, VS Code, Bash, Netlify, Vercel, Render

Projects

Ethical AI Detector | Live | GitHub Repo

– Developed an AI-powered bias detection tool capable of analyzing 2,000+ words daily to identify cultural, political, and emotional bias using the Google Gemini API.
– Enhanced prompt engineering to return structured JSON outputs, improving categorization accuracy by 25%.
– Implemented real-time bias scoring with automated rewriting suggestions, enabling 40+ users to create more inclusive content.
– Achieved a 95% user satisfaction rate by streamlining workflows for faculty, students, and technical teams, supported by actionable user feedback.
– Tech Stack: React (Vite), Tailwind CSS, Shadcn-ui, Node.js, Express, Google Gemini API, Vercel, Render.

TextTune | Live | GitHub

– Launched a full-stack AI writing assistant offering grammar detection, contextual suggestions, and multilingual translation for 10+ active users.
– Integrated context-aware grammar correction using the Google Gemini API, boosting suggestion accuracy by 30%.
– Optimized the user interface with React and Tailwind CSS, reducing load times by 40% and improving writing efficiency by 35%.
– Tech Stack: React, Tailwind CSS, Node.js, Express, Firebase, Google Gemini API.

MovieBookApp | Live | GitHub

– Designed a movie ticket booking platform featuring interactive seat selection, secure payment integration, and automated booking confirmation.
– Implemented real-time seat availability tracking and state management with React Hooks to ensure reliable bookings.
– Enhanced the user experience through a responsive interface built with Tailwind CSS and GSAP animations.
– Tech Stack: React, React Router, Tailwind CSS, GSAP.

Passwordcelare | Live | GitHub

– Developed a secure, scalable password manager for storing and encrypting user credentials, providing robust protection via browser-based encryption.
– Delivered a responsive, user-friendly interface with React Hooks and Tailwind CSS to support smooth navigation and intuitive state handling.
– Tech Stack: React, Tailwind CSS, Local Storage, JavaScript.

Education

Meerut Institute of Engineering and Technology   November 2022 – June 2026
B.Tech in Computer Science and Engineering (CSE)   Meerut, Uttar Pradesh