Sandeep Singh

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Professional Summary

Full Stack Developer experienced in building scalable web applications using the MERN stack, Next.js, and FastAPI. Skilled in developing secure REST APIs, implementing JWT authentication, and crafting responsive UIs with Tailwind CSS. Proficient in working with MongoDB, Cloudinary, and familiar with AI/LLM tools like LangChain and Gemini API.

Technical Skills

Languages: JavaScript, TypeScript, Python
Frontend: HTML5, CSS3, React.js, Next.js, Redux Toolkit, React Query, TanStack Query, Tailwind CSS
Backend: Node.js, Express.js, FastAPI, GraphQL, LangChain, Gemini API, REST APIs, JWT Auth, OAuth
Database: MongoDB Atlas, Prisma, PostgreSQL, ChromaDB
Tools: Git, Vite, Clerk, Postman, Docker, Cloudinary, ImageKit

Projects

AI Career Coach – AI-Powered Career Platform 🌐 Live Project — ○ GitHub Repository

Tech Stack: Next.js, JavaScript, Prisma, PostgreSQL, Clerk, Gemini, Tailwind CSS, ShadCN/UI

- Designed and developed a full-stack AI platform offering resume scoring, cover letter generation, and mock interview tools using Gemini API and Next.js Server Actions.
- Implemented secure user authentication and session management via Clerk, ensuring protected access to AI tools.
- Tracked and stored user activity logs with Prisma ORM and PostgreSQL for personalized insights and analytics.
- Used ShadCN/UI and Tailwind to craft a clean, accessible UI with responsive layouts and intuitive UX.

ShopWiz – Scalable E-commerce Platform 🌐 Live Project — ○ GitHub Repository

Tech Stack: MERN Stack, Redux Toolkit, ImageKit, NodeCache, Paytm Gateway, JWT (Cookies), Tailwind CSS, Express Rate Limit, Cluster Mode

- Developed a full-featured e-commerce platform with MERN stack, supporting user authentication, product browsing, and real-time cart updates.
- Integrated Paytm Payment Gateway for secure transactions and used JWT (Cookies) for persistent login sessions.
- Boosted backend performance using Node.js clustering, NodeCache, and Express Rate Limiting to handle high-traffic scalability securely.

Prodexa AI 🌐 Live Project — ○ GitHub Repository

Tech Stack: React.js, Tailwind CSS, Node.js, LangChain.js, ChromaDB, Gemini, MongoDB, Python, TypeScript, Docker

- Built a full-stack AI productivity platform featuring blog generation, image creation, and resume analysis using generative AI.
- Utilized LangChain.js with Gemini API for LLM interactions, enabling personalized and context-aware content generation.
- Integrated ChromaDB for semantic search and vector storage, enhancing response relevance and speed.
- Dockerized and deployed on Render, ensuring scalable, consistent, and portable backend infrastructure.

Education

Master of Computer Applications (MCA)   2024-2026
Chandigarh University

Bachelor of Computer Applications (BCA) – Computer Science   2020-2023
Kanpur Institute of Technology