

Sandeep Singh Nayal

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Education

Integral and Innovative Sustainable Education College, University of Lucknow
Bachelor of Computer Applications (BCA)

Oct 2022 – May 2025

Skills

- **Languages:** JavaScript, TypeScript, Java, SQL.
- **Front-End:** React, Next.js, Redux Toolkit, Zustand, React Query, Axios, Zod, Tailwind CSS, ShadCN UI, Framer Motion, HTML, CSS.
- **Back-End:** Node.js, Express.js, Fastify, JWT, Firebase, Supabase.
- **Databases:** MongoDB, Mongoose, MySQL, PostgreSQL, Prisma.
- **Real-Time:** Socket.IO.
- **Tools:** Git, GitHub, Postman, VS Code, Docker (Basic level), Vercel, Netlify.

Experience

- Delivered custom web solutions using **React**, **Tailwind CSS**, and **Zustand** for responsive, performant websites.
- Collaborated with clients to meet requirements, optimizing UI and ensuring on-time project delivery.

Projects

E-commerce Platform (MERN)

DropCart **Live Demo**

- Developed a full-featured e-commerce platform with cart management, wishlist, product search filters, and order management.
- Implemented JWT authentication for secure user access and Razorpay payment gateway for seamless transactions.
- Integrated Cloudinary for image uploads and Zustand for efficient state management.
- Built using MERN stack (MongoDB, Express, React, Node.js) and Tailwind CSS.

AI-powered Vehicle Search

AI Car Search **Live Demo**

- Built using Next.js, PostgreSQL, Prisma, and Gemini API.
- Developed a car search platform that enables users to explore vehicles with advanced filtering and AI-powered search, view car details, and book test drives.
- Integrated Google Gemini API for AI-based details of cars and React Dropzone for custom file uploads.
- Developed a seller dashboard for managing car listings and implemented PostgreSQL + Supabase as the backend.
- Designed a modern UI with Next.js, Tailwind CSS, and ShadCN UI for a smooth user experience.

All-in-One Productivity App

Zentask **Live Demo**

- Developed a multi-functional web app featuring a to-do list, notes app, weather app, finance tracker, calculator, and more.
- Implemented stopwatch, timer, digital clock, currency converter, and numerical system conversion tools.
- Built using React, Tailwind CSS, and optimized for a clean, user-friendly experience.