

# Nikhil Singh

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## SUMMARY

Frontend-focused Full Stack Developer with hands-on production experience building and shipping web platforms. Proficient in React.js, Redux Toolkit, Node.js, Express.js, and MongoDB. Skilled at designing modular component architectures, integrating third-party APIs and payment systems, and delivering responsive, performant UIs. Actively strengthening DSA fundamentals and system design knowledge to pursue SDE roles at high-growth technology companies.

## SKILLS

**Languages:** JavaScript (ES6+), TypeScript, Python

**Frontend:** React.js, Redux Toolkit, Tailwind CSS, RESTful API Integration, Responsive Design

**Backend:** Node.js, Express.js, MongoDB, REST API Design, JWT Authentication

**Tools & Platforms:** Git, GitHub, Postman, Razorpay, Clouinary, Vercel

**Core CS:** Data Structures & Algorithms, OOP, Modular Architecture, Version Control

## EXPERIENCE

### Frontend Developer (Freelance)

Sep 2024 – Present

*loonahospital.com, theblisshospitals.com*

*Remote*

- Architected and shipped production-grade React applications
- Engineered a modular React component library with Redux Toolkit for centralized state management, reducing component re-renders and improving UI consistency across 10+ pages.
- Integrated Razorpay payment gateway end-to-end, implementing secure transaction flows for appointment booking
- Consumed and coordinated 15+ REST API endpoints for patient appointment scheduling and payment systems, handling asynchronous data fetching, error boundaries, and loading states.
- Built fully responsive UI using Tailwind CSS utility classes, achieving cross-device compatibility across mobile, tablet, and desktop breakpoints with zero layout regressions.
- Managed CI-adjacent deployment workflows using Git branching strategies, maintaining clean commit history and enabling iterative feature delivery.

### MERN Stack Trainee

Aug 2024 – Mar 2025

*CETPA Infotech*

*Noida, India*

- Built full-stack MERN applications from scratch including RESTful APIs, MongoDB schemas, and React frontends with protected route structures.
- Implemented secure authentication flows (register/login/logout) using JWT tokens and bcrypt password hashing, following industry-standard security practices.
- Improved codebase modularity by refactoring monolithic components into reusable, single-responsibility modules, reducing code duplication by an estimated 30%.

## PROJECTS

### Note Master – Full Stack Application

React.js, Node.js, Express.js, MongoDB, JWT

- Designed and built a full-stack note management app with JWT-based authentication, protected API routes, and persistent MongoDB storage for CRUD operations.
- Implemented RESTful API layer with input validation and error handling, supporting secure note creation, retrieval, update, and deletion workflows.
- Enforced route-level access control on both frontend (protected React routes) and backend (middleware-based auth guards), preventing unauthorized data access.

### Budget Tracker Application

React.js, Chart.js, Local State Management

- Developed a client-side financial tracking application in React with real-time expense categorization, dynamic balance calculation, and interactive data visualization using Chart.js.
- Designed reusable UI components for transaction entry and filtering, reducing time-to-render for new entries while maintaining responsive layout across screen sizes.

## EDUCATION

### Chitkara University

Aug 2020 – Sep 2024

*Bachelor of Technology in Computer Science and Engineering*

*CGPA: 8.77 / 10*