

GAURAV SINGH

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EDUCATION

Thakur College of Engineering and Technology

Mumbai, India

Bachelor of Technology in Computer Science (Internet of Things) – **CGPA 9.10**

2021 - 2025

EXPERIENCE

Webxc Technology

Mumbai, India

Frontend Engineer - Intern | React.js, React Hooks, Redux, JavaScript, Chart.js

June 2025 - Sept 2025

- Developed **responsive, performance-optimized user interfaces** using **functional components and React Hooks** for web applications used by healthcare professionals.
- Built and maintained a **reusable, component-based architecture**, reducing UI duplication across modules.
- Implemented **Redux state management** and integrated **RESTful APIs** in collaboration with backend engineers to deliver end-to-end frontend features.
- Developed **interactive dashboards** using **React and Chart.js** to visualize real-time data, enabling faster and data-driven decision-making.
- Optimized frontend performance through **lazy loading and efficient rendering techniques**, improving application load times and responsiveness.

PROJECTS

Next Boarding | React.js, Node.js, Express.js, MongoDB | **Demo**

Jan 2024 - Mar 2024

- Designed and developed a **travel booking application** using **React.js** for the frontend and **Node.js, Express.js, and MongoDB** for the backend.
- Built a **responsive, interactive booking UI**, including seat selection with real-time visual feedback.
- Developed **RESTful APIs** to manage trips, seat availability, bookings, and user data, ensuring smooth frontend-backend communication.
- Implemented **secure authentication features**, including email-based password recovery and user verification.
- Integrated **real-time email notifications** for booking confirmations and status updates, reducing booking errors.

Admin 360 | Next.js, MongoDB | **Demo**

Nov 2024 - Dec 2024

- Designed and developed a **administrative dashboard** using **Next.js** for both frontend rendering and backend logic via **Next.js API routes**.
- Built **responsive, dashboard-driven user interfaces** for managing customers, orders, and products with a focus on usability and clarity.
- Implemented **JWT-based authentication and role-based access control (RBAC)** within the Next.js backend to secure admin features.
- Utilized **Redux** for global state management and implemented efficient data fetching to improve application performance.
- Developed **real-time data visualizations**, integrated **Dark Mode**, and ensured responsive layouts optimized for desktop and laptop devices.

TECHNOLOGIES

Programming Languages: C++, JavaScript

Frontend: HTML5, CSS3, React.js, React Hooks, Next.js, Redux, Tailwind CSS, Shadcn UI, Chart.js

Backend: Node.js, Express.js, RESTful APIs, Next.js API Routes, JWT Authentication, Nodemailer

Databases: MySQL, PostgreSQL, MongoDB

Tools & Platforms: Git, GitHub, Postman, Render, Vercel, Figma, Agile Workflow