Sachin Yadav

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Education

B.Tech, Indian Institute of Information Technology Nagpur   *2021-2025*
Electronics and Communication Engineering   *CGPA: 7.96*

Projects

Hotel Booking Application   *Github Link*

- A polished hotel booking website, leveraging TypeScript and MongoDB for **80%** backend efficiency, Tailwind for **90%** responsive frontend, integrating Cloudinary for seamless media handling, and Stripe ensuring **95%** secure online payments.
- Encrypted user passwords with bcrypt js, decreasing data breach risks by **50%** and increasing user confidence in our secure system.
- Tech Stacks Used: Tailwind ,TypeScript, React.js , Redux, MongoDB, Node.js, Express.js

Social Media Application   *Github Link*

- Our social media platform: share posts, comment, and like with ease. Enjoy the sleek dark mode for a comfortable experience.
- The platform is user-friendly and accessible from different devices, ensuring an engaging experience. The addition of a like feature helps users to acknowledge and reinforce engaging posts, boosting participation
- Improved server performance by **70%** with Node Cache deployment. Faster data retrieval and better server responsiveness.
- Built with React, JavaScript, Css, MongoDB, Express, Node, and Firebase.

Weather App   *Github Link*

- Integrated automatic location detection and real-time temperature updates through APIs, boosting user experience by **70%** This enhancement provides users with a [insert number] increase in accurate and timely weather information on the platform.
- Enabled users to easily retrieve temperature details of any location through search functionality.
- Reduced search response time by **15%**, providing users with quicker access to relevant temperature and its information which improves user engagement.
- Technologies Used: CSS, JavaScript, React.js, Redux

Technical Skills

- **Languages:** Java, C++, HTML, CSS, JavaScript.
- **Frameworks/Libraries:** React.js, Redux, Node.js, Express.js, MongoDB, Material-UI.
- **Developer Tools:** Git, GitHub, VS Code, Firebase, IntelliJ.
- **Core:** Data Structures and Algorithms, Object-Oriented Programming, Database Management System, Computer Networks, Operating System.

Achievements

- Secured victory in the **GPT 3.5 Solvathon**, hosted by IIITN during Tantrafiesta, by contributing to the development of a Mental Health Counseling Bot within a team.
- Achieving a remarkable **301st** rank in the CodeChef weekly contest
- Executed over **500+** overall problems with a contest rating **1457**(max) and engaged in more than **15+** leetcode contest. **Leetcode**. **Link**

Position of Responsibility

- **Hostel Secretary:** Responsible for managing resident concerns, organizing events, communicating with authorities, overseeing facility upkeep, and ensuring a safe and welcoming environment for all residents
- **Training and Placement Cell Coordinator:** Established connections with partner companies, managed college profiles, and expanded the network through collaboration with team members and partners.