AAKARSH KUMAR

Patna, Bihar

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EDUCATION

Birla Institute Of Technology, Mesra   **2022 − 2026**
*B.Tech in Electrical and Electronics Engineering - **CGPA: 7.82***   *Ranchi, India*

SKILLS

Languages: C++, JavaScript, SQL
Web Development: React.js, Node.js, Express.js, MongoDB, Firebase
Tools & Platforms: Git, GitHub, VSCode, Postman, Vercel
Soft Skills: Leadership, Management, Teamwork, Communication, Public Speaking
CS Fundamentals: Object-Oriented Programming, Database Management Systems

WORK EXPERIENCE

RoomsVital   **June 2025 − July 2025**
Software Development Engineer Intern   *Remote*

- Engineered a secure and scalable Admin Dashboard using **React.js** and **Firebase authentication** for **1000+ users**.
- Built a modern and accessible **front-end interface** using **Material UI**, enhancing design consistency by **25%**.
- Implemented dynamic **CRUD** operations with real-time updates, improving efficiency by **30%**.
- Managed user and auction data efficiently using **Firebase** and **Zustand**, ensuring smooth performance across **3K+ records**.
- Optimized data workflows and automated reporting processes to strengthen administrative control and improve decision-making by **20%**.

PROJECTS

Social Media App | MERN Stack (MongoDB, Express.js, React.js, Node.js)   **2024**

- Engineered a full-stack **social media platform** using the **MERN Stack**, featuring secure **JWT authentication**, **CRUD operations** for posts, real-time commenting, and comprehensive profile management.
- Utilized **Mailtrap** to send verification and password reset emails, ensuring secure user onboarding and account recovery.
- Implemented state management using **Redux Toolkit**, ensuring seamless **front-end performance**, scalability, and responsive UI design.
- Built and tested **RESTful APIs** in Express.js and Node.js, ensuring smooth data flow and efficient back-end communication with MongoDB.

Tour & Travel Website | React.js, EmailJS   **2024**

- Constructed a fully responsive **Tour & Travel Website** using **React.js**, showcasing popular travel destinations, tours, and packages with dynamic content and interactive cards.
- Integrated the **EmailJS API** to enable seamless contact form submissions directly from the front end, improving user communication.
- Enhanced a modern, responsive **React interface** with interactive UI components using hooks and modular architecture, optimizing performance and ensuring smooth navigation across devices.

POSITION OF RESPONSIBILITY

EEE Society
Coordinator of Technical (Software)

Google Developer Student Clubs
Web Developer

ACHIEVEMENTS

- Solved over 300+ DSA problems across various coding platforms, improving problem-solving efficiency and algorithmic thinking.
- Completed over 150+ SQL problems, strengthening data analysis and query optimization skills.
- Secured top rank in the Software Domain during the Summer Mentorship Program organized by EEESOC, BIT Mesra.