Ratul Kole

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Professional Summary

Computer Science and Engineering student with a strong interest in software development, full-stack web development, and Data Structures and Algorithms. Passionate about building real-world applications and continuously learning new technologies. Seeking an internship to apply my technical skills, gain industry experience, and contribute to impactful projects.

Education

JIS University | Kolkata — 2024 – Present
Bachelor of Technology in Computer Science and Engineering — CGPA: 8.4
Anandanagar A.C. Roy High School (WBCHSE) — 2024 | XII (80%)
Anandanagar A.C. Roy High School (WBBSE) — 2022 | X (79.9%)

Skills

- Programming Languages: C, C++, JavaScript, SQL
- Frontend: HTML5, CSS, Bootstrap, Tailwind CSS
- Backend: Node.js, Express.js, REST APIs
- Databases: MongoDB, Firebase Firestore, MySQL
- Tools: VS Code, Git, GitHub, GitHub CLI
- Core Concepts: Data Structures and Algorithms, Object-Oriented Programming

Projects

MedMinder - Medicine Reminder System

- Developed a medicine reminder web application with authentication and scheduling.
- Integrated Firebase Firestore and external medicine APIs.
- Technologies: Node.js, Express.js, Firebase, JavaScript
- GitHub: https://github.com/ratulexe/MedMinder

Aashray AI - Disaster Evacuation and Shelter Coordination Platform

- Developed an AI-powered platform that recommends shelters based on location, availability, safety scores, and road conditions.
- Implemented real-time capacity tracking, unique reservation codes, and secure arrival confirmation.
- Built an operator dashboard that updates shelter occupancy using Firebase transactions and works effectively in low-connectivity environments.
- Technologies: React.js, Vite, Tailwind CSS, Firebase Firestore, JavaScript
- GitHub: https://github.com/ratulexe/aashray-ai

Languages

- Bengali - Native Proficiency
- Hindi - Professional Working Proficiency
- English - Professional Working Proficiency