SARTHAK ROY

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PROFESSIONAL SUMMARY

Full-stack web developer skilled in Java, C, React.js, Next.js, Node.js, MongoDB, and SQL with strong foundations in DSA, OOP, and Operating Systems. Experienced in developing scalable applications and optimized APIs. Delivered projects that improved load times by 30%, boosted engagement by 40%, and overall 25% more efficient.

EXPERIENCE

SDE Intern – CEHpoint (Remote) | Nov 2025 - Jan 2026

- Worked on an internal CRM platform to track, manage, and optimize employee workflows, task assignments, and operational status across teams.
- Collaborated on the BidChemz logistics portal, contributing to modules handling order tracking, shipment status updates, and operational data flow.
- Developed and optimized RESTful APIs, improving response consistency and system reliability.
- Collaborated with cross-functional teams to enhance platform scalability and maintainability.

Hackathon Finalist – AIExplain (Emergency Medical Service in Rural Areas) | 2024

- Designed a tech-driven solution to improve rural medical access; project shortlisted as a finalist among national teams.

PROJECTS

Personal Developer Portfolio **LINK**

- Designed a portfolio website using HTML, Tailwind, JS, Node.js, and MongoDB Atlas.
- Implemented animations and UI improvements, increasing engagement by 40% and getting 100+ monthly visits.

Real-Time Location Tracking Platform **LINK**

- Developed a live location-sharing app with Node.js & Socket.io, enabling users to track positions simultaneously.
- Optimized WebSocket broadcasting, achieving <200ms latency and improving efficiency by 25%.

Smart Event OS & Vendor Marketplace Platform **LINK**

- Built a full-stack event marketplace using Next.js, React, TypeScript, Tailwind CSS, and PostgreSQL, owning end-to-end system design..
- Implemented Firebase Authentication with JWT-based RBAC for secure role separation and protected user/vendor dashboards.
- Designed event-driven vendor discovery and booking workflows, supporting service lifecycle, leads, and vendor actions.

SKILLS

Languages: Java, C, JavaScript
Front-End: HTML5, CSS3, Tailwind CSS, React.js, Next.js
Back-End: Node.js, Express.js, REST APIs
Database: MongoDB, Mongoose, PostgreSQL
CS Fundamentals: Data Structures & Algorithms (DSA), Object-Oriented Programming (OOP), Operating Systems (OS)
Tools & Platforms: Git, GitHub, Postman, Vercel, Netlify, Render, CI/CD

EDUCATION

B.Tech in Information Technology (2022 – 2026)
Bengal College of Engineering and Technology, Durgapur
Higher Secondary Education (12th) – Science (PCMB) (2021)
West Bengal Council of Higher Secondary Education
Secondary Education (10th) (2019)
West Bengal Board of Secondary Education