

# Rupam Sadhukhan

LinkedIn | GitHub | LeetCode | CodeChef(3\*) | Codeforces(Pupil) | Kaggle

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## EDUCATION

### Jalpaiguri Government Engineering College

*Bachelors of Technology in Computer Science and Engineering , CGPA: 9.14*

Jalpaiguri, West Bengal

*Sept. 2022 – Jun 2026*

## EXPERIENCE

### Deloitte

*Data Analyst Intern*

June 2025 – July 2025

*Kolkata, West Bengal*

- Performed exploratory data analysis to identify underperforming market segments and highlight high-growth opportunities, supporting strategic decision-
- Designed interactive Tableau dashboards to visualize key revenue and sales trends across product lines and geographies, delivering insights aligned with Deloitte's business intelligence standards.

## PROJECTS

### Project Kshitij [Code] [UI]

*Smart India Hackathon Finalist (SIH1656)*

Aug 2024 – Dec 2024

*Android Beach Safety App*

- Built an Android application delivering real-time beach safety insights using REST APIs and weather data integration, ranked Top 2.4% in SIH 2024.
- Designed a robust system architecture with microservices and scalable design principles, ensuring high availability and future extensibility.
- Engineered dynamic leisure suggestions and alert mechanisms to enhance public safety and recreational planning.

### Namma Food Platform [Code]

*Full Stack Food & Services Platform*

Jan 2025 – May 2025

*Spring Boot, React.js, Vue.js, MongoDB*

- Developed a scalable backend using Spring Boot and implemented dual frontends: React.js for users and Vue.js for admin, improving system usability.
- Integrated secure JWT authentication and role-based access control, enhancing overall data privacy and operational security.
- Deployed early versions on AWS; currently containerizing services with Docker and implementing CI/CD pipelines to streamline future deployments.

### Sorting Visualizer [Live] [Code]

*Interactive Algorithm Visualizer*

Oct 2024 – Nov 2024

*Frontend Project*

- Developed an interactive web application animating sorting algorithms (Bubble, Merge, Quick Sort), enhancing algorithmic understanding for learners.
- Implemented real-time comparative analysis features showcasing time and space complexity through intuitive visuals.
- Leveraged modern JavaScript and responsive design to ensure smooth performance across devices and browsers.

## TECHNICAL SKILLS

**Languages:** C/C++, Java, Python, JavaScript, SQL

**Web/Cloud:** Spring Boot, React.js, Vue.js, Firebase, Vercel, AWS EC2

**Data/AI:** Pandas, NumPy, Scikit-learn, LangChain, LLaMA, RAG, Matplotlib

**Tools:** Git, Docker, Postman, VS Code, Android Studio, Jupyter

**DataBase/Backend:** PostgreSQL, MongoDB, MySQL, REST API, JWT, Express.js

## ACHIEVEMENTS & EXTRACURRICULAR ACTIVITIES

- Smart India Hackathon 2024 Finalist: Top 2.4% of 492,960 entries. [Certificate]
- Build With India 2025: Semi-finalist, top 5000 out of 25,000+. [Certificate]
- Google Cloud Skills Boost 2023: Completed foundational GCP labs. [Profile]
- Meta Hacker Cup: Ranked in top 25% globally. [Certificate]
- Ranked in Top 20% in class semester exams. [Certificate]
- Training and Placement Coordinator for the Year 2025-2026 in Training and Placement Cell of our college.
- Team lead, ISRO Hackathon 2025 & Google AI Challenge (2025); Participant in Flipkart, Adobe, Walmart hackathons.