

SOUMIK BASU

Bhubaneswar, Odisha

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Summary

- Detail-oriented Computer Science graduate with hands-on experience in MERN Stack (MongoDB, Express.js, React.js [Class & Functional], Node.js) and microservice-based architecture. Proficient in JavaScript (ES6+), Git, and scalable backend design. Experienced in leading small teams, mentoring peers, and collaborating in Agile sprints to deliver high-quality, maintainable code.

Technical Skills

MERN Stack: MongoDB, Express.js, React.js (Class & Functional Components), Node.js

Languages: JavaScript (ES6+), Python, Java, C, SQL, Solidity

Developer Tools: Git, GitLab, Azure, Remix

Database: MongoDB, PostgreSQL

Other Technologies: REST APIs, Ethers.js, IPFS, TypeScript, HTML/CSS

Experience

DD Consulting Pvt. Ltd.

June 2025 – Aug 2025

MERN Stack and Blockchain, Intern

Bhubaneswar, Odisha

- Architected scalable microservices for user management, asset tracking, and carbon credit computation using Node.js, MongoDB, and PostgreSQL.
- Integrated Blockchain services with Ethers.js and IPFS for secure transaction storage and verification.
- Developed Class-based React.js components and responsive UI for EV and Tree asset modules.
- Led module design and coordinated with 3 developers, ensuring on-time delivery in Agile sprints.
- Debugged and resolved backend integration issues, improving stability and deployment success.

Edunet Foundation

June 2024 – July 2024

Emerging Technologies (AI and Cloud), Intern

- Built mini-projects involving cloud deployment and AI workflows using IBM tools.
- Designed cloud-hosted application pipelines and improved scalability through optimized workflows.
- Participated in collaborative virtual labs, enhancing technical teamwork skills.

Projects

Carbon Credit Platform | Team Project — Ongoing — MERN, Ethers.js, IPFS, Microservices

- Developed a microservice-based MERN application to manage EV, Tree, and Solar assets.
- Built Class-based React components for asset management dashboards.
- Designed scalable backend APIs for carbon credit calculations and blockchain verification.
- Contributed to full-stack development by building React-based UI and implementing backend APIs for EV and Tree asset modules.
- **GitHub:** github.com/Basusoumik2003/CO2

Trip Planner AI | Next.js, Express.js, MongoDB, Node.js, OpenAI API, Google Maps API

- Developed an AI-powered MERN travel planner with itinerary generation, budgeting, weather analysis, and route optimization.
- Built a responsive Next.js frontend and scalable Express.js backend with MongoDB for storing trip data.
- Integrated OpenAI API for personalized travel suggestions and Google Maps API for routes and location-based results.
- Key features: Smart Trip Planner, Budget Estimator, Weather Analyzer, Route Optimizer, Language Converter, Packing Assistant, Emergency Help, and Event Discovery.
- **GitHub:** github.com/Taniya0310/Plan-My-Trip

Health Wallet – Emergency System | Hackathon Project

March 2025

- Created an AI-based symptom checker using FastAPI and ML for real-time health support and an Emergency system.
- Designed secure login, medical history storage, and real-time voice interaction interface using React & MUI.
- **GitHub:** github.com/Basusoumik2003/Health-prediction-backend

Education

Bachelor of Technology (B.Tech) in Computer Science and Engineering

Gandhi Engineering College

Graduation: Jun 2026

Bhubaneswar, Odisha