

Sambaran Banerjee

Sambaranb25@gmail.com | +91-6295867621 | LinkedIn | GitHub

SUMMARY

Third-year Computer Science Engineering student skilled in full-stack development and cloud technologies. Experienced in React, Node.js, TypeScript, and PostgreSQL with a record of delivering scalable, production-grade solutions. Have built experience by taking parts in Hackathons and open source projects.

EDUCATION

- **Jalpaiguri Government Engineering College**
B.Tech in Computer Science & Engineering, MAKAUT

Jalpaiguri
2023 – 2027

TECHNICAL SKILLS

- **Languages** Python, C++, JavaScript, TypeScript, SQL, MongoDB, PostgreSQL, HTML, CSS
- **Frameworks** ReactJS, ExpressJS, React Native, TailwindCSS
- **Tools** Git, GitHub, VS Code, Firebase, Google Cloud

EXPERIENCE

- **Calanjiyam Consultancies** Remote
Full Stack Developer (*React, TypeScript, Spring Boot*) Aug 2025 – Oct 2025
 - Delivered 3 scalable full-stack modules using React and Spring Boot, reducing manual workflows by 35%.
 - Led a 4-member intern team, improving sprint delivery consistency through code reviews and agile practices.
 - Enhanced backend API performance by 28% by optimizing controller logic and database queries.
- **PearlThoughts** Remote
Backend Developer (*TypeScript, PostgreSQL, TypeORM*) Sept 2025 – Oct 2025
 - Developed an appointment management backend supporting 5K+ users with 99.9% uptime.
 - Integrated REST APIs with Angular frontend, reducing response latency by 25%.
 - Designed and deployed secure PostgreSQL schemas ensuring zero data loss during testing.

KEY PROJECTS

- **Trayana – AI-Powered Disaster Management System** React Native, Node.js, Firebase, Twilio
 - Built a full-stack web app enabling offline SOS alerts, resource allocation, and real-time hotspot monitoring.
 - Developed a cross-platform mobile app in React Native allowing users to send SOS signals and locate nearby relief centers.
 - Ranked **Top 14 globally** among 64,000 participants in the Google Solution Challenge 2025.
- **Q-Med – Medical Consultation Platform** React (TypeScript), Express, MongoDB, TailwindCSS
 - Engineered a secure consultation platform with JWT authentication and role-based access for doctors and patients.
 - Designed responsive UI and encrypted local storage, improving session retention by 30%.
 - Deployed production-ready API endpoints and MongoDB models for real-time queries.

ACHIEVEMENTS

- **Google Solution Challenge 2025** Top 14 Global Finalist
- **Smart India Hackathon 2024** Reached Regional Round
- **National Science Congress 2021** Finalist

LEADERSHIP

- Led intern team at Calanjiyam Consultancies to deliver production-ready applications.
- Served as School Head Boy (2022–2023), coordinating 20+ student activities.