

# 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** Jalpaiguri  
*B.Tech in Computer Science & Engineering, MAKAUT* 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.