Sambaran Banerjee

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SUMMARY

Third-year Computer Science Engineering student with practical experience in full-stack development. Proficient in React, Node.js, and TypeScript, with a focus on building functional web and mobile applications. Global Finalist in the Google Solution Challenge 2025 with a strong background in hackathons and open-source contributions.

EDUCATION

- **Jalpaiguri Government Engineering College** — Jalpaiguri
  B.Tech in Computer Science & Engineering, MAKAUT — *2023 – 2027*

TECHNICAL SKILLS

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

EXPERIENCE

- **Calanjiyam Consultancies** — Remote
  Full Stack Developer Intern (React, TypeScript, Spring Boot) — *Aug 2025 – Oct 2025*
  - Delivered full-stack modules using React and Spring Boot, automating key data entry workflows.
  - Collaborated with a 4-member intern team, participating in code reviews and agile sprints to ensure consistent delivery.
  - Optimized backend API controller logic and database queries, resulting in improved response times for end-users.
- **PearlThoughts** — Remote
  Backend Developer Intern (TypeScript, PostgreSQL, TypeORM) — *Sept 2025 – Oct 2025*
  - Developed an appointment management backend designed to handle multiple concurrent user sessions efficiently.
  - Integrated REST APIs with an Angular frontend, ensuring seamless data retrieval and synchronization.
  - Designed normalized PostgreSQL schemas to ensure data integrity and minimize redundancy during testing phases.

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 implemented encrypted local storage for secure session management.
  - Deployed RESTful API endpoints and defined MongoDB models for efficient real-time querying.

ACHIEVEMENTS

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