Sabittwa Banerjee

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EDUCATION

Techno Main Salt Lake — Kolkata, WB
Bachelor of Technology in Computer Science and Engineering (IoT)–8.34 GPA — *2023 – 2027*

Sri Ram Narayan Singh Memorial High School (ISC) — Kolkata, WB
Class 12–Scored 89% — *2022*

Sri Ram Narayan Singh Memorial High School (ICSE) — Kolkata, WB
Class 10–Scored 93% — *2020*

SKILLS

Programming Languages: Python, C, SQL, JavaScript, HTML/CSS
Frameworks: Flask, Express.js, Node.js, React.js, Next.js
Templating Engines: EJS, Jinja
Databases: PostgreSQL, MongoDB, SQLite
Developer Tools: Git, VS Code
Web Design: Bootstrap, Tailwind CSS

PROJECTS

MealMetric | https://github.com/strangely-true/MealMetric | *Node.js, Express.js, PostgreSQL, EJS*

- Developed a dynamic web application to calculate nutritional information for meals based on user-inputted ingredients.
- Utilized PostgreSQL for storing user recipes and ingredient data, implementing full CRUD operations.
- Fetched nutritional information using Axios to query a public API, and displayed real-time totals for users.
- Designed a user-friendly interface for adding recipes, with responsive forms and a nutrition table for real-time feedback.

Coordina | https://coordina-murex.vercel.app/ | *Next.js, React.js, MongoDB*

- Developed the frontend for the Smart India Hackathon internal round project using Next.js, focusing on user-friendly dashboard interfaces for government departments.
- Implemented tools for project conflict resolution using a PDF summarizer and Gemini, streamlining document analysis.
- Integrated a discussion forum and AI tools for enhanced collaboration and dispute resolution.
- Enhanced platform functionality to support data-driven insights for urban planning.

Real-Time Chat Application | https://github.com/strangely-true/Chat-app | *Next.js, React.js, Convex DB, Clerk*

- Built a full-stack real-time chat application with advanced features including type-safe messaging and user authentication.
- Utilized Convex DB for seamless real-time database interactions and Clerk for secure user authentication.
- Designed a modular and scalable UI using Shadcn/UI and Tailwind CSS for responsive theming.

ACHIEVEMENTS & CERTIFICATIONS

Harvard University's CS50 | View Certificate

- Strengthened foundational knowledge in C, Scratch, data structures and algorithms (DSA), memory management, and database management (SQL).Gained exposure to artificial intelligence, Flask, and cybersecurity principles.

Smart India Hackathon Finalist | *National-Level Competition*

- Finalist in the 2024 edition of the Smart India Hackathon, selected for innovative solutions in urban project coordination and conflict resolution.

Hult Prize On-Campus Round Runner-Up | *Entrepreneurship Challenge*

- Achieved the runner-up position in the Hult Prize On-Campus Round for proposing a sustainable startup idea addressing a global problem.