SANKALPA SARKAR

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Technical Skills

Languages and DataBases: C/C++, JavaScript, React, Next.js, Node.js, RestAPI, FastAPIs, Firebase, MongoDB, Python, Flask, TypeScript
Other Skills: Prompt Engineer, Leadership & Communication

Projects

Adhyayan.AI - AI-Powered Interactive Learning Platform   **June 2025**
- Features **AI-generated interactive mind maps**, intelligent **in-node assistants**, **quiz-to-unlock progression**, **multimedia content discovery**, **podcast conversion**, and reward systems using **Gyan Points**.

Kaaj - Hyperlocal Job & Service Matching Platform   **May 2025**
- Implements **role-based dashboards**, **secure chat & call system**, **real-time job listings**, **skill-based filtering**, and **quick job automation logic**.

AdiVote - Web-Based Class Representative Voting System   **April 2025**
- Features include **authentication, role-based access, protected routes, live results, admin dashboards, and election timers** for seamless voting management.

InfluenceIQ - YouTube Creator Influence Analysis   **March 2025**
- Features include **influence scoring, AI-powered content analysis, and detailed metrics, with responsive design and efficient API caching**.

Lexishift   **July 2024 – Feb 2025**
A comprehensive **one-stop solution designed to support individuals with dyslexia** through accessible learning tools, AI-powered consultation services, PDF converter, Community support.

Team Up   **Feb 2025**
A hackathon teammate-finding platform that connects developers based on skills and project needs.
- Created a **real-time group chat & connection system**, enabling effective collaboration before and during hackathons**.**

Lately   **May 2024**
A class scheduling web app for students to keep track of their 75% attendance also suggests them if they can bunk.

Awards & Achievements

- **Finalist - Hack4Bengal 4.0 (2025)** - Recognized for building *Adhyayan.AI*.

- **Finalist - Smart Bengal Hackathon 2024** – Recognized for innovative problem-solving in **Waste Management System** and impactful solution.

- **Finalist - InnoFusion 1.0** – For developing **LexiShift**, revolutionizing accessibility for dyslexic individuals.

- **Finalist - Level Supermind Hackathon** – For **Social Pulse,** showcasing AI-powered social media analytics**.**

- **3rd Place - Upskill Mafia Hackathon** – For **TeamUp,** a platform for hackathon team formation**.**

- **2nd Place - Hack the Halls 2024** – For **SantaSphere,** a platform to create and share wishlists, organize Secret Santa exchanges, and cherish holiday memories with friends and family in one seamless experience.

Work Experience - Full Stack Developer Intern @TherapyU   Feb 2025 - May 2025
- Worked on Project **LexiShift,** Enhanced accessibility features and community support systems, leading to a 50% increase in user engagement and personalized assistance accuracy.

Education

Adamas University   **Aug 2023 – Sep 2027**
Bachelor of Technology in Computer Science & Engineering   *Barasat, West Bengal*