

Arpan Sarkar

+91 86378 97186 | contact.arpan.sarkar@gmail.com | [Linkedin](#) | [Github](#) | [Portfolio](#)
Barasat · West Bengal · India

SUMMARY

I am a Full-Stack Developer who loves building fast, **scalable backend systems** and **clean, premium frontends**. I focus on making complex tech work smoothly behind the scenes using asynchronous task queues while keeping the user interface simple and beautiful. My goal is to create reliable, AI-powered software that solves real problems.

EXPERIENCE

Sequoia Print Pvt. Ltd

Onsite Kolkata

Full Stack Developer Intern

June 2026 · Present

- Engineered robust **Node.js** microservices to deliver specialized management tools and AI workflow automations.
- Designed and deployed **5+ high-concurrency management platforms** with complex relational data models using **MySQL**.
- Built targeted AI agents and backend scripts deployed via secure **AWS CI/CD** pipelines, reducing runtime manual cycles by 40%.
- Streamlined distributed architecture layers to ensure low-latency collaboration and cross-team data consistency.

PROJECTS

Recall — AI Second Brain Ecosystem | *Next.js · Express · BullMQ · Pinecone · Redis*

[Live](#) | [Code](#)

- Architected a **Monorepo** decoupling API routing from background task processing via dedicated workers.
- Engineered a BullMQ/Redis pipeline executing async scraping workflows at **60%** optimal processing speeds.
- Integrated **Semantic Search** utilizing 1024-dimension OpenAI vectors to resolve queries in Pinecone under sub-150ms.
- Built a Canvas-based Knowledge Graph explorer and a custom Chrome Extension for rapid web data capture.

Learn Flow — AI Study Architect | *MERN · Gemini API · Clerk · Tailwind CSS*

[Live](#) | [Code](#)

- Developed an automated parsing engine using **Gemini Pro** to turn raw PDF syllabi into structured weekly layouts.
- Leveraged Prompt Engineering to compile deep analogy chains, lowering conceptual hurdles for **100+ beta testers**.
- Implemented secure token middleware and route guard access points using **Clerk** to protect infrastructure logs.

FixFlow — AI-Powered SRE Platform | *MERN · Typescript · Socket.io · Gemini AI · Framer Motion*

[Live](#)

- Architected a **zero-touch incident lifecycle** engine automating detection, creation, and resolution via real-time **Socket.io** push flows.
- Built a cascading AI pipeline (Gemini Pro → Groq LLaMA fallback) to auto-generate structured **RCA postmortems** and remediation scripts.
- Delivered a **scroll-driven glassmorphic dashboard** with **Framer Motion** micro-animations and a dynamic floating nav for a premium SRE experience.

TECHNICAL SKILLS

Languages: JavaScript · TypeScript · Python · Java

Frontend: Next.js · React · TypeScript · Tailwind CSS · Shadcn/UI · Framer Motion · Zustand

Backend: Node.js · Express · BullMQ · Redis · WebSockets · JWT · Zod · REST APIs

Databases: PostgreSQL · MySQL · MongoDB · Pinecone · Prisma ORM · Mongoose

Cloud & DevOps: AWS · Docker · Docker Compose · Git and GitHub · GitHub Actions · CI/CD

CS Fundamentals: OOPS · DBMS · Computer Networks · Operating Systems · UI/UX Design

Tools: Claude Code · ClickUp · Cloudflare R2 · Vercel · Render · Postman · Plasmo

EDUCATION

Brainware University

West Bengal, India

B.Tech in Computer Science (AI & ML) | **CGPA: 9.57**

July 2024 · Aug 2028

ACHIEVEMENTS

Hackathons: Finalist: **India Innovates** (Biggest Civic Tech Hackathon) · **Top 20:** Cosmo Hacks · Finalist:

NeuroHack (IIT-M) · **Hackstorm 2.26** : Top 4.

Open Source: Contributed to **GSSOC 2025,26**

Event Managment : Organized a DSA competition for 100+ students. · Organized the Texibition Hackathon and developed its official website.