

Anirban Santra

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[Portfolio](#) | [GitHub](#) | [LinkedIn](#) | [LeetCode](#)

Summary

Backend-focused Full Stack Developer experienced in Node.js, MongoDB, microservices, and **system design (HLD/LLD)**. Built scalable real-time platforms for high-traffic systems; solved 400+ problems on LeetCode.

Internship Experience

Software Developer Intern – SMAK Tech (Core Team) Nov 2024 – Apr 2025

- Built **backend modules**, KPI dashboards, and admin tools with robust error handling.
- Improved **search, onboarding, scheduling**, reducing workflow bottlenecks by ~30%.
- Delivered **personalized analytics** and integrated **REST APIs** with React + TypeScript frontend.

Web Development Intern – Suvidha Foundation Oct 2023 – Nov 2023

- **Rebuilt and deployed** the organization's website, enhancing **UI/UX and performance**.
- Built **responsive pages** and integrated **backend forms**.

Projects

All-in-One Recruitment Platform [Live GitHub](#) 2025

- Full-scale **hiring platform** with recruiter dashboards, coding/aptitude rounds, **video interviews**, chat, and collaborative whiteboard. Integrated **AI job recommendations** and building an **ATS module** for resume parsing and candidate ranking.
- **Stack:** Node.js, Express.js, MongoDB, EJS, Tailwind CSS, Socket.IO

Advanced Coding Platform [Live GitHub](#) 2024

- **LeetCode-style environment** with topic filters, difficulty search, multilingual coding support, and custom test cases. Added **contest mode** (timed rounds + leaderboards) and **AI assistance** (guided hints, debug suggestions).
- Includes **community forums**, threaded discussions, admin tools for problem management, and contest creation. Planned feature: **real-time collaborative coding**.
- **Stack:** MERN (MongoDB, Express.js, React, Node.js), OpenAI API

Hailthyfy – AI Healthcare & Consultation Platform [Live GitHub](#) 2025

- **AI-driven healthcare platform** with dashboards, patient journey mapping (D3.js), and trend analysis. Integrated **chatbot assistant** for summarization, prescription reading, and medication search with cost-based sorting.
- Features include **AI health intelligence** (symptom analysis, predictive metrics, drug checks), **doctor consultations**, **pharmacy services**, and **gamification/community** (challenges, badges, leaderboards).
- **Stack:** Node.js, Express.js, MongoDB, Tailwind CSS, D3.js, ML Models, WebRTC
Deployment: Dockerized ([Image](#))

Architecture & Design Practice

- Designed **HLDs** for Gmail clone, Shazam, calling app, Zomato delivery ([GitHub](#)), Chess.com backend ([GitHub](#)), data warehouse, and live streaming with caching and sharding.
- Built **LLDs** in Java for cache, Splitwise, matchmaking with modular microservices; applied CAP theorem and consistency tradeoffs.
- Dockerized LLDs: [Ticket Booking \(Image\)](#), [Food Delivery \(Image\)](#), [Ride Booking \(Image\)](#)

Skills

Programming: JavaScript, TypeScript, Java, Python, SQL

Backend: Node.js, Express.js, MongoDB, MySQL, REST APIs, HLD/LLD, Unit Testing, Socket.IO, Auth, DB Indexing, Microservices, Kafka

Frontend: React.js, Next.js, HTML5, CSS3, Tailwind CSS, Bootstrap, EJS, p5.js, Three.js

Mobile: Android (Java/XML)

DevOps: Git, GitHub, GitHub Actions, Docker ([Images](#)), Netlify, Postman, Cloudinary, VS Code

Achievements

- **Winner** – EduSands Hacks Hackathon ([Project](#))
- **Top 15 Finalist** – Rebase Hackathon ([Rebase01](#))
- Solved **400+ problems** on [LeetCode](#)

Education

B.Tech in Computer Science, Hooghly Engineering & Technology College (MAKAUT) 2022 – 2026
CGPA: 8.0

Higher Secondary (WBCHSE) – Digra Mallick Hati Deshbondhu Vidyapeeth 2021 – 2022, 75.5%