

# Anirban Santra

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

## Summary

Backend-focused Software Engineer skilled in Node.js, Java, and distributed system design. Experienced in building scalable microservices, real-time platforms, and ML-integrated products. Strong in DSA and problem-solving, with hands-on experience using AI tools (GitHub Copilot, Cursor, Warp, Trae) to enhance productivity.

## Experience

**Full Stack Developer (Backend-Heavy) — Wonder Creative Studio** Nov 2025 – Present

- Own backend modules and REST APIs for a production lawyer-focused SaaS, handling feature development, bug fixing, and system improvements end-to-end.
- Led migration of file storage from Cloudinary to AWS S3, access logic, and backend integrations.
- Diagnosed and fixed critical production issues including logical bugs and race-condition-like scenarios.
- Worked directly with clients to clarify requirements, created site maps and workflow designs, and translated them into backend APIs and frontend features.
- Delivered significant UI/UX improvements and landing pages in collaboration with product and stakeholders.

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

- Designed and optimized DB schemas and queries; reduced median API latency from **5s to 3s** (↓40%) using indexing, query refactoring, and **Redis** caching.
- Owned core services (auth, scheduling, error handling); added monitoring and alerting, decreasing incident MTTR by **50%**.
- Built React + TypeScript KPI dashboards and admin tools used by product ops.

## Selected Projects

**Peer — AI-Powered Code Review Platform** 2025

[Live](#) | [GitHub](#) | [Architecture](#)

- Built event-driven microservice pipeline processing **1k+ PRs/day** with multi-LLM orchestration (GPT-4, Gemini), fault-tolerant BullMQ queues, and Redis caching reducing duplicate calls by **60%**.
- Engineered secure GitHub App with sandboxed autofix execution; integrated Razorpay achieving **99.2%** transaction success.
- Deployed containerized services on Render with indexed MongoDB queries (< 100 ms) and health monitoring.
- **Stack:** Node.js, Express, MongoDB, Redis, BullMQ, Docker, GitHub App API, Razorpay.

**All-in-One Recruitment Platform** 2025

[Live](#) | [GitHub](#)

- End-to-end hiring SaaS with recruiter dashboards, LeetCode-style coding rounds, live interviews, AI-assisted ATS (resume parsing + ranking), and candidate evaluation analytics.
- Real-time features via Socket.IO for live candidate chat and evaluation sync.
- **Stack:** Node.js, Express, MongoDB, EJS, Tailwind, Socket.IO.

**AI Healthcare Platform (Hailthyfy)** 2025

[Live](#) | [GitHub](#) | [Image](#)

- Doctor consultations, appointment scheduling, patient chat, community posts, and LLM-based triage chatbot.
- X-ray inference pipeline (DenseNet) served via FastAPI with async queueing and containerized endpoints.
- **Stack:** Node.js, Express, MongoDB, Redis, TensorFlow, FastAPI, Socket.IO, Docker.

## Architecture & Design Practice

- Designed production-ready **HLDs** for Gmail, Shazam, Chess.com Backend ([GitHub](#)), and Live Streaming; implemented **LLDs** in Java with CAP theorem trade-offs.
- Dockerized real-world systems: [Ticket Booking](#), [Food Delivery](#), [Ride Booking](#).

## Skills

**Languages:** JavaScript, TypeScript, Java, Python, SQL

**Backend / Infra:** Node.js, Express, MongoDB, Redis, MySQL, Kafka, BullMQ, Microservices, REST, WebSockets, Webhooks, Auth (OAuth, JWT), System Design (HLD/LLD), Docker, Unit Testing

**Frontend:** React, Next.js, HTML5, CSS3, Tailwind, EJS

**DevOps / Tools:** Docker ([Images](#)), Git, GitHub Actions (CI/CD), Render, Vercel, Netlify, Postman, Cloudinary

**AI / Productivity Tools:** GitHub Copilot, Cursor, Warp, Trae, ChatGPT

**Soft Skills:** Analytical thinking, problem-solving, self-learning, time management, collaboration, attention to detail

## Achievements

- Winner — EduSands Hacks Hackathon (1st/50+ teams) ([Project](#))
- Top-15 Finalist — Rebase Hackathon (200+ teams) ([Rebase01](#))

## Education

**B.Tech — Computer Science**, Hooghly Engineering & Technology College (MAKAUT) 2022 – 2026

**CGPA: 8.0**

**Higher Secondary (WBCHSE) — Digra Mallick Hati Deshbondhu Vidyapeeth** 2022 | **75.5%**

## Hobbies & Interests

Chess, Reading Novels, Poetry, Drawing, Astronomy, AI Tools, Coding Challenges