

SUBHRODEEP ACHARYA

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Summary

Full-stack developer with hands-on experience building production-grade SaaS and internal tools used by real users. Specialized in backend systems using Node.js, PostgreSQL, and REST APIs, with experience integrating AI (Google Gemini) into scalable applications. Built and deployed an AI SaaS with payment integration and a multi-role ticket management system. Actively seeking backend or full-stack SDE roles.

Technical Skills

- **Languages:** JavaScript (ES6+), TypeScript, C/C++, SQL
- **Frontend:** Next.js 14, React.js, Tailwind CSS, HTML5, CSS3
- **Backend:** Node.js, Express.js, REST APIs, PostgreSQL, MongoDB, Prisma ORM, Drizzle ORM
- **Utilities:** Git, GitHub, Vercel, Postman, Figma, NextAuth.js, Clerk, JWT, RBAC

Experience

The Robosphere Research & Development LLP | Software Development Engineer Intern **Sep 2025 — Dec 2025**

- Led development of 3 production applications with ~99% uptime on Vercel deployments
- Built ticket management system used by 20+ users across 3 business units handling 100+ tickets/week
- Designed RBAC dashboards reducing irrelevant data exposure and improving workflow clarity
- Implemented automated email/SMS notifications improving issue resolution and team accountability

Bluestock Fintech | Software Development Engineer Intern **June 2025 — July 2025**

- Built IPO tracking dashboards reducing data access time from hours to seconds
- Extended REST APIs enabling efficient financial reporting workflows
- Identified critical data issues preventing downstream reporting errors

Projects

Hospital Ticket Management System | [GitHub](#) | [Live Link](#) **Jan 2026 — Feb 2026**

- Designed and shipped a multi-unit internal operations platform — replaced fragmented communication (emails, chats) with a structured workflow where every issue is tracked from creation to closure.
- Implemented role-based access for Admins, Managers, and Employees with distinct dashboards — each role sees exactly what they need, eliminating information overload and miscommunication.
- Built automated escalation notifications (email/SMS) for stale tickets — turning a passive system into an active one that nudges teams toward resolution without manual follow-up.
- Optimized PostgreSQL schema with Drizzle ORM for high-throughput operations, ensuring the system scales reliably as ticket volume and team size grow.

Quick AI | Full-stack AI SaaS Application | [GitHub](#) | [Live Link](#) **July 2025 — Aug 2025**

- Built a complete AI-powered SaaS platform from scratch — users can sign up, buy credits, and generate professional-quality content in seconds using natural language prompts via Google Gemini AI.
- Designed a coin-based monetization system with a live payment gateway — created a self-sustaining product loop where user value and revenue generation operate simultaneously.
- Engineered a resilient Express.js backend managing AI request queuing, subscription tiers, and transaction history — ensuring reliability even under concurrent user load.
- Deployed full-stack on Vercel with fully responsive UI across all devices, making professional-grade AI tooling accessible to anyone, anywhere.

Education

Kalyani Government Engineering College, Kalyani **Nov 2022 — Present**

Bachelor of Technology in Electronics and Communication Engineering

Relevant Coursework: Data Structures & Algorithms, DBMS, Object-Oriented Programming, Computer Networks

Sodepur High School, Sodepur **June 2020 — June 2022**

Class - XII

Ramakrishna Mission Boys Home High School, Rahara **June 2010 — June 2020**

Class - X

Key Achievements

- Solved 285+ DSA problems on LeetCode, demonstrating strong problem-solving and algorithmic thinking
- Actively participate in coding contests, consistently improving speed and accuracy under pressure
- Contributed to open-source projects, gaining experience in collaborative development and production-level codebases
- Built and shipped real-world applications including an AI SaaS with monetization and a scalable ticket management system