

# Subhrodeep Acharya

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## Summary

Full-stack software developer with hands-on experience delivering production-ready web applications and large-scale internal systems. Contributed to 3+ real-world projects, including a complex Hospital Management System used for internal ticketing and operations. Strong background in building scalable frontend interfaces, secure backend APIs, and database-driven systems using Next.js, React, Node.js, and PostgreSQL. Actively seeking Software Developer / SDE roles.

## Technical Skills

- **Languages:** Javascript, C/C++, SQL
- **Frontend:** NextJS, Tailwind CSS, React JS, HTML, CSS
- **Backend:** Typescript, PostgreSQL, MongoDB, Prisma ORM, Node.js, Express.js, Drizzle
- **Utilities:** Git, Github, Figma, Postman, Vercel, NextAuth, Clerk

## Experience

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

- Delivered and maintained 3+ production-level applications, including a public business website and multiple internal platforms supporting real operational workflows.
- Designed and developed a fully responsive, dark-mode-enabled UI using Next.js and Tailwind CSS, ensuring seamless usability across mobile, tablet, and desktop devices.
- Led development of a large-scale Hospital Management System used as an internal ticketing and task management platform, supporting multi-unit operations.
- Architected role-based workflows (employees, managers, admins) with real-time ticket lifecycle management (pending, in-progress, resolved), improving visibility and accountability.
- Designed secure, scalable backend systems using PostgreSQL + Prisma ORM and NextAuth.js, and deployed on Vercel with optimized builds achieving >99% uptime.

**Bluestock Fintech** | Software Development Engineer Intern

**June 2025 — July 2025**

- Contributed to responsive landing pages and internal dashboards used by fintech teams.
- Built dashboards tracking IPOs, orders, prices, and transactions, improving operational visibility for internal stakeholders.
- Identified and reported 2 critical bugs in the Retool platform, accelerating fixes through direct collaboration with engineers.
- Extended REST API endpoints for order details and invoice generation.
- Assisted in writing unit and integration tests, reducing regression issues during releases.

## Projects

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

**July 2025 — August 2025**

- Built a completely **production-level AI** SaaS application with **React, Node.js, Express.js, and PostgreSQL** for real-time content creation and automation applications.
- Incorporated **Google Gemini AI API** to enable intelligent content creation, enhancing user productivity through natural language prompts.
- Executed secure user **authentication and session management using Clerk**, including support for social logins and account management.
- Implemented and deployed a **coin-based credit system**, enabling users to buy coins and enable premium AI features through a real payment gateway.
- Built a powerful backend API using **Express.js**, managing user subscriptions, AI requests, and transaction history with adequate validation and error handling.
- Designed a clean and modern UI with **responsive layout and conditional rendering** to offer a smooth user experience on mobile, tablet, and desktop.
- Used **PostgreSQL** with relational models to effectively manage user information, usage history, and payment history.
- Hosted the application on **Vercel** for the frontend and backend.

## Education

**Kalyani Government Engineering College, Kalyani**  
Bachelor of Technology in Electronics and Communication Engineering  
**Sodepur High School, Sodepur**  
Class - XII  
**Ramakrishna Mission Boys Home High School, Rahara**  
Class - X

**Nov 2022 — July 2026**

**June 2020 — June 2022**

**June 2010 — June 2020**