Soumya Raj Sarkar

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EDUCATION

- **RCC Institute of Information Technology** — Kolkata, West Bengal, India
  Bachelor of Technology in Computer Science and Engineering — *October 2022 – June 2026*

EXPERIENCE

- **Infomaticae Technology Pvt. Ltd.** — Remote
  Software Engineer Intern — *February 2025 – May 2025*
  - Developed and deployed backend APIs using NestJS, Docker, and TypeORM, implementing scalable CRUD operations and collaborating with cross-functional teams to ensure seamless integration with frontend applications and third-party services.

- **BuyBox** — Remote
  Frontend Developer Intern — *February 2025 – Present*
  - Designed and implemented responsive web application frontend using Next.js and Tailwind CSS, applying modern UI/UX design patterns, deploying at buybox1.co.za, and ensuring smooth user experience with consistent uptime.

PROJECTS

- **InterviewAI - AI-powered Mock Interview Platform**: Designed and developed a platform that conducts mock interviews tailored to specific job roles using **Next.js**, **Clerk Authentication**, **NeonDB + Drizzle ORM**, and **Gemini AI**. Provides real-time AI feedback, secure dashboards for performance tracking, and scalable deployment on **Vercel**. [GitHub] | [Live]

- **Innovision 2024 - Department Fest Website**: Built the official departmental fest website with **Next.js** and **Supabase**, featuring event management, team registration, and real-time updates. Implemented responsive design and dynamic data fetching to ensure seamless user experience for students and organizers. [GitHub] | [Live]

- **RapidRevise - Last Minute Revision Web Application**: Developed an exam preparation tool with a Python backend that intelligently curates video content based on syllabus and available study time. Integrated a **PDF summarization system** that extracts key concepts from textbooks and notes to support focused revision. [GitHub]

- **NeuraMed - Disease Prediction Website**: Collaborated in a hackathon to build a disease prediction web app. Contributed by developing **RESTful API endpoints** in **Python/Flask** to handle patient data input. Focused on ensuring reliable data flow between frontend and backend for real-time analysis. [GitHub]

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, TypeScript
Frontend Technologies: React.js, Next.js
Backend Technologies: Node.js, Express.js
Databases: MySQL, MongoDB
Tools and Platforms: Git, GitHub, VS Code

ACHIEVEMENTS

- **Smart Bengal Hackathon Finalist**: Selected as team member for final round of Smart Bengal Hackathon at RCCIIT, Kolkata. Contributed to backend development of Grouplance project using modern web technologies.

- **Status Code 1 Hackathon Finalist**: Participated as team member in Status Code 1 final round at IISER, Kalyani. Developed backend infrastructure for NeuraMed project using Python and contributed to frontend implementation.