

SURYA KANTA ROY

Full Stack Developer | Frontend Engineer | UI Systems Designer

Kolkata, West Bengal, India

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Objective

Passionate Computer Science undergraduate with hands-on experience in MERN Stack development, frontend engineering, and backend API development. Skilled in building scalable full-stack web applications using React.js, Next.js, Node.js, Express.js, and MongoDB. Seeking a Full Stack Developer internship to apply my technical skills, contribute to impactful software solutions, and grow as a software engineer.

Education

B.Tech in Computer Science & Engineering	2023 – 2027
Adamas University	SGPA: 7.478
Higher Secondary (WBCHSE)	2023
Gobindapur High School	82.5%
Secondary (WBBSE)	2021
Gobindapur High School	96.6%

Technical Skills

Programming Languages: Java, JavaScript, TypeScript, C, C++

Frontend: React.js, Next.js, HTML5, CSS3, Tailwind CSS, Responsive Web Design

Backend: Node.js, Express.js, REST APIs, Authentication, API Integration

Database: MongoDB, MySQL

Tools & Platforms: Git, GitHub, VS Code, Postman, Figma, Vercel, Render, Netlify

Core Concepts: Object-Oriented Programming (OOP), Data Structures, CRUD Operations, Component-Based Architecture, Responsive Design, UI/UX Design, Problem Solving

Professional Experience

QSpiders	2026 – Present
Java Training Intern (Training Program)	On campus
- Completed intensive training in Core Java with emphasis on Object-Oriented Programming (OOP), Collections Framework, Exception Handling, and JDBC fundamentals. - Strengthened programming and analytical skills through hands-on coding exercises, debugging sessions, and problem-solving practice. - Improved aptitude, logical reasoning, quantitative reasoning, and interview preparation for software engineering roles.	

Projects

MealHub – Smart Meal Tracking & Expense Management System	GitHub
<i>Tech Stack: MERN Stack, MongoDB Atlas, JWT Authentication, REST APIs, React.js</i>	
- Developed a full-stack MERN application for shared mess management with secure authentication, role-based access, meal tracking, expense management, and automated monthly settlement. - Built responsive dashboards displaying meal analytics, expense summaries, available balance, gas cylinder tracking, and financial reports for managers and members. - Designed secure REST APIs using Node.js, Express.js, and MongoDB Atlas to perform efficient CRUD operations and manage application data. - Implemented a responsive user interface optimized for desktop and mobile devices to enhance user experience and accessibility.	
Collaborative Task Management System	GitHub
<i>Tech Stack: Next.js, React, TypeScript, Node.js, Express.js, MongoDB Atlas, Socket.io, JWT, Tailwind CSS</i>	
Developed a full-stack collaborative task management platform featuring secure authentication, workspace management, Kanban boards, calendar scheduling, task assignments, labels, comments, and activity tracking.	

- Built scalable REST APIs with Node.js, Express.js, MongoDB Atlas, and JWT authentication while implementing drag-and-drop task management, real-time communication using Socket.io, and efficient state management with Zustand.
- Designed a responsive and modern interface using Next.js, React, Tailwind CSS, Radix UI, and Framer Motion, focusing on scalability, performance, and seamless team collaboration.

MedBill – Medicine Billing & Inventory Management System

GitHub

Tech Stack: HTML5, CSS3, JavaScript

- Developed a medicine billing and inventory management system for medical stores with billing generation, inventory tracking, medicine search, and stock management features.
- Designed an intuitive and responsive user interface to simplify pharmacy operations and improve inventory management efficiency.

FitTrack – Fitness Tracking Application

GitHub

Tech Stack: React.js, Node.js, Express.js, MongoDB

- Developed a fitness tracking application supporting secure authentication, onboarding, workout logging, activity monitoring, and personalized dashboards.
- Integrated backend APIs with MongoDB to efficiently manage user profiles, workout history, and fitness progress through a responsive interface.

PaletteLab – AI-Powered Color Palette Generator

GitHub

Tech Stack: React.js, TypeScript, Node.js, Express.js, Tailwind CSS, Vite

- Developed a full-stack color palette generation application that extracts dominant colors from uploaded images and generates visually balanced palettes with real-time preview.
- Implemented advanced features including CIEDE2000 color difference, Median-Cut Quantization, color locking, HEX/RGB conversion, palette export, and a responsive modern user interface.

Talent-IQ – Real-Time Video Interview Platform (Ongoing)

Tech Stack: React.js, Node.js, Express.js, Socket.io, WebRTC, MongoDB

- Developing a scalable real-time interview platform supporting secure video conferencing, virtual meeting rooms, and interviewer-candidate collaboration.
- Integrating WebRTC and Socket.io for low-latency peer-to-peer audio and video communication with secure authentication and meeting management.
- Building reusable React components and responsive interfaces following scalable full-stack architecture and modern development practices.

Languages

English	Professional Working Proficiency
Hindi	Professional Working Proficiency
Bengali	Native Proficiency