

SOHEL DATTA

+91 974-888-6527 [◇ Email](#) [◇ LinkedIn](#) [◇ GitHub](#) [◇ Portfolio](#) [◇ Kolkata, India](#)

SUMMARY

Full-Stack Developer experienced in building scalable, production-grade systems using **React.js**, **FastAPI**, **Flask**, **Prisma**, and **Node.js**. Strong in API design, database modeling, real-time features, and ML model integration. Delivers clean architecture, optimized performance, and user-centered functionality. Adaptable, fast-learning, and effective in high-growth Agile teams.

EXPERIENCE

SDE Intern, BMC Software Jan 2025 – July 2025
Kolkata, India

- Modernized legacy mainframe workflows by implementing **GDG creation, modification, and deletion** modules using **Flask**, **React.js**, and **TN3270**.
- Automated repetitive operations and redesigned UI flows, reducing manual interaction time by **20%** and improving data consistency across teams.
- Collaborated with system engineers and QA in an **Agile/Scrum** environment to deliver stable, production-focused features.

Full Stack Developer Intern, SociolinQ Technologies Aug 2025 – Present
Kolkata, India

- Building a scalable SaaS **ERP platform** using **React.js**, **Redux**, **FastAPI**, **Prisma**, and **PostgreSQL**, focused on modular architecture and clean state management.
- Improved API responsiveness and frontend load performance by **35%** through optimized database queries, caching, and efficient component rendering.
- Implementing secure role-based access, reusable UI modules, and high-traffic data workflows used across business clients.

SKILLS

Frontend	React.js, Next.js, TypeScript, JavaScript, Redux, HTML5, CSS3, Bootstrap
Backend	FastAPI, Flask, Node.js, Express.js, Prisma, NestJS, Firebase
Databases	MySQL, MongoDB, PostgreSQL, Firestore
Developer Tools	Git, GitHub, Postman, Docker, Figma, VS Code, Jira, Jenkins, Locust
Data/ML	NumPy, Pandas, Matplotlib, scikit-learn

PROJECTS

Darkstore — Real-Time Inventory Intelligence [\(Live Demo\)](#)

- Developed a real-time stock tracking system using **React.js** and **Firestore**, improving synchronization speed by **40%**.

Skincare Website — Frontend Product UI [\(Live Demo\)](#)

- Designed and developed a polished UI using **React.js**, featuring dynamic product rendering and smooth navigation flows.

Soccer Team Management API — Backend System [\(Live Demo\)](#)

- Built a full REST backend using **Node.js** and **PostgreSQL** with role-based access, JWT auth, and fully validated endpoints.
- Ensured **ACID-compliant** operations with transaction-safe queries, **event-driven checks** for updates, and a **normalized schema** for clean, scalable data design.

KickoffKorner — Full-Stack Sports Platform

[\(Live Demo\)](#)

- Implemented live scoreboards, news automation, and social features using **React.js**, **Firebase**, and **WebSockets**, supporting **500+** concurrent users.

Face Detection Attendance System — AI + Full-Stack

[\(Live Demo\)](#)

- Built an AI-driven attendance platform using **React.js** and **FastAPI**, powered by a custom face-recognition model trained in **Google Colab**.
- Enabled real-time face detection, attendance logging, and seamless user verification workflows.

EDUCATION

Bachelor of Technology in Computer Science, RCC Institute of Information Technology 2022 – Present
Relevant Coursework: Data Structures and Algorithms (DSA), Operating Systems (OS), Database Management Systems (DBMS), Object-Oriented Programming (OOP)

Higher Secondary Certificate, Indira Gandhi Memorial School 2020 – 2022
Relevant Coursework: Python Programming, My Structured Query Language (MySQL)

Secondary School Certificate, St. Mary's School 2008 – 2020
Relevant Coursework: Problem-Solving Fundamentals, Java

AWARDS & ACHIEVEMENTS

- **Smart Bengal Hackathon — Runner-Up:** Built “Sakhi,” a real-time women’s safety platform with a multi-layer SOS system.
- **StatusCode2 — 2nd Runner-Up:** Developed a full-stack peer-collaboration platform with scalable architecture.
- **LeetCode:** Solved 250+ problems in algorithms and data structures.