RICKY SAHA

Ghaziabad, India

📞 +91 9354725916   ✉ saharicky20@gmail.com   in linkedin.com/in/ricky-saha   ⬡ github.com/Ricky-saha

Experience

Itio Innovex Pvt Ltd   **Sept 2025 – Nov 2025**
Node.js Developer Intern   *Ghaziabad, India*

- **Developed a centralized Email Management Package integrating** 7+ service providers (SMTP, Zoho, Gmail, etc.) with provider abstraction, template management, dynamic placeholders, retry logic, and TLS compliance.
- **Implemented comprehensive logging, monitoring, and unit testing** using Winston, custom middleware, and Jest with mock utilities — enhancing debugging efficiency, observability, and overall code reliability.
- **Contributed to the development of an internal PDF Editor Tool,** working across frontend and backend to implement workflow management and real-time progress tracking, enabling seamless document editing and collaboration
- **Built a complete P2P Crypto Trading Platform** from scratch using React, Node.js, and MongoDB — implemented trade lifecycle management, escrow logic, secure wallet integration, and real-time chat between buyers and sellers via Socket.io.

Sponsogram   **Jul 2024 – Aug 2024**
Full Stack Developer Intern   *Delhi, India*

- **Designed and developed the company's customer-facing landing page** using Next.js and TypeScript, improving first-time visitor conversion rate by implementing modern UI/UX and responsive layouts.
- **Engineered a real-time chat system** for clients and influencers using Socket.io and a custom backend API, enabling concurrent live chats and reducing message-delivery latency
- **Built RESTful backend services (Node.js)** to support chat functionality, authentication and role-based access for client influencer , increasing system modularity and maintainability.

Education

Maharaja Surajmal Institute of Technology   **2022–2026**
*B.Tech in Electronics and Communication Engineering (CGPA: **8.2/10**)*   *New Delhi, India*

Modern School   **2018–2021**
*CBSE Class XII: **82.6%** Class X: **90.5%***   *Ghaziabad, India*

Projects

JeevanCare — Healthcare Platform (React.js, Node.js, MongoDB)   **GitHub**
- Architected a full-stack telemedicine platform enabling appointment scheduling, secure payment processing, and live video consultations, serving 100% remote patient-doctor interactions.
- Engineered prescription management system with secure compliant data validation and storage, automating 40% of manual prescription workflows.
- Built an interactive medical records dashboard with real-time consultation history tracking and secure document storage.

PII Detection and Protection System — HackInvoverse Winner   **GitHub**
- Developed a PII detection system masking sensitive info with 95% accuracy, strengthening privacy compliance.
- Implemented Two-Factor Authentication (2FA) using NodeMailer, reducing unauthorized accesses.
- Integrated IPFS for immutable, decentralized storage of sensitive records, ensuring tamper-proof audit trails.

Technical Skills

Languages: C++, JavaScript, SQL

Web Technologies / Tools: React.js, Node.js, Express.js, Docker, Postman,Rest API development, Postman, MongoDB

Coursework: Database Management Systems, Operating Systems, Computer Networks, Object-Oriented Programming

Achievements

HackInvoverse — 1st Runner-up   **Mar 2025**
Hansraj College, University of Delhi
- Secured 2nd place among 900+ teams by building a PII Detection and Protection System.

HackWithMAIT 6.0 — Finalist   **Mar 2025**
Maharaja Agrasen Institute of Technology
- Ranked in the Top 10 out of 3,000+ teams in a national-level hackathon.