

Indranil Saha

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SUMMARY

Computer Science student with hands-on experience in web development and full-stack projects using modern technologies like React and Node.js. Interested in building scalable applications and learning through real-world projects.

EXPERIENCE

Cloud-based Fullstack MERN Development Intern | ARDENT COMPUTECH PVT. LTD.

(Jun '25 to Jul '25)

- Successfully completed intensive training covering MERN stack and cloud-based development with AI/ML concepts.
- Designed, developed, and deployed a fully functional Portfolio Builder project using the complete tech stack.
- Gained hands-on experience through daily assignments, improving both technical skills and team collaboration.

Web Development Intern | CODSOFT

(Dec '24 to Jan '25)

- Created and launched a dynamic calculator web app using HTML, CSS, and JavaScript with responsive UI.
- Integrated efficient error handling and optimized code structure for faster performance.
- Conducted extensive testing and debugging, significantly improving user experience and reliability.

PROJECTS

Portfolio Builder | Full-Stack Developer

- Built a MERN stack app using the Waterfall model for creating and exporting ATS-friendly resumes with real-time editing.
- Added OTP-based email verification, JWT authentication, auto-save to MongoDB, and offline support via local storage.
- Documented the project using IEEE format, covering architecture, features, and deployment.

Museum Ticket Booking Chatbot | Frontend Developer

- Built a scalable MERN stack web app with integrated AI-powered chatbot for museum ticket booking.
- Secured user authentication and established RESTful APIs using Express.js and MongoDB.
- Boosted chatbot performance with NLP models and collaborated effectively with a 4-member team.

Timetable Generator | Full-Stack Developer

- Designed and implemented an algorithmic solution for NP-hard scheduling problems.
- Structured a scalable database architecture supporting concurrent users.
- Assembled a responsive frontend interface using React.js and CSS components.

Collaborative Whiteboard Application using TCP Sockets

- Created a real-time collaborative whiteboard using Java, Swing, and TCP socket programming for peer-to-peer drawing synchronization.
- Devised custom message protocols and multithreading to efficiently transmit drawing actions between clients.

TECHNICAL SKILLS

Programming Languages: HTML, CSS, JavaScript(Intermediate), Python(Basic), Java(Basic), C++(Intermediate), C(Intermediate), SQL(Basic)

Frameworks & Libraries: React.js(Intermediate), Express.js(Intermediate), Node.js(Intermediate), NumPy(Basic), Pandas(Basic)

Technologies: MongoDB, Firebase, Supabase, Git, REST APIs, Cloud AWS

Core Competencies: Data Structures and Algorithms, Object-Oriented Programming(Basic), Database Management, Full-Stack Development

EDUCATION

Heritage Institute of Technology, Kolkata

B.Tech in Computer Science and Engineering | Expected Graduation: 2026

CGPA: 7.60

Ram Mohan Mission High School, Kolkata

XII (ISC) | Higher Secondary Curriculum | Graduated: 2022

Percentage: 75%

X (ICSE) | Secondary Curriculum | Graduated: 2020

Percentage: 91%

ACHIEVEMENTS

IIT Kharagpur Data Science Hackathon: Qualified the quiz round, got shortlisted, and participated in the online round of the hackathon

Smart India Hackathon 2023: Qualified among top teams from Heritage Institute of Technology, Kolkata through internal hackathon

Hackathons: Active participant in HackHeritage '23, HackHeritage '24, and INNOVATHON 2024

ADDITIONAL INFORMATION

Languages – English (Professional), Hindi (Professional), Bengali (Native)

Interests – Software Development, AI, Content Creation, Sports