

PRITISH RANJAN SAHOO

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SUMMARY

Full Stack Web Developer with strong problem-solving, communication, and collaboration skills, dedicated to building scalable, efficient, and user-centric applications.

EDUCATION

Indira Gandhi Institute of Technology, Sarang

B.Tech in Computer Science Engineering

CGPA: 9.04

Oct 2022 – Present

Govt. Higher Secondary School, Rourkela

Higher Secondary Education (CHSE)

88.17%

July 2019 – Aug 2021

INTERNSHIP EXPERIENCE

Full Stack Developer Intern - [Link]

IT Centre, East Coast Railway

June 2025 – July 2025

Bhubaneswar

- Built a full-stack ID card system, designed for 200+ employees for digital issuance
- Added a PDF generator with html2canvas and jsPDF, ensuring 100% size accuracy and zero print errors
- Created RESTful APIs with Express.js and MongoDB to manage 500+ user records efficiently.
- Designed assigned UI/UX in React.js and Tailwind CSS, fulfilling functional requirements across 10+ screens.

Summer Intern - [Link]

Integrated Test Range, DRDO

May 2025 – June 2025

Balasore

- Researched YOLO object detection algorithm and its real-time applications
- Compared various versions of YOLO architectures for performance and accuracy trade-offs
- Studied computer vision concepts including IoU, loss functions, and bounding box regression methods
- Collaborated with mentors to understand defense-grade AI systems and its practical deployment challenges

PROJECTS

ID Card Generation System (Internship) - [Link] | MERN, TailwindCSS

Jun 2025 – Jul 2025

- Engineered a full-stack solution for ID digitization and PDF generation
- Secured authentication and access control using JWT, bcrypt, and cookies, ensuring zero unauthorized access
- Used express-validator and Sharp to ensure clean, validated data, reducing inconsistencies by 95%
- Integrated QR code preview, cutting manual ID processing time by 60%

UberLite - [Link] | MERN, TailwindCSS

May 2025 – Jun 2025

- Developed ride-booking platform with real-time ride updates using WebSockets
- Used JWT, bcrypt, and cookie-based authentication to secure unauthorized access by 100%
- Implemented OTP-based verification, route estimation, and fare calculation
- Tested 50+ simulated rides to ensure robust user-to-driver flow

TECHNICAL SKILLS

Front-End: HTML, CSS, JavaScript, Tailwind CSS, React.js, Next.js

Back-End: Node.js, Express.js, Next.js API, MongoDB, WebSockets

Coursework: Java, Python, C, C++, DSA, DBMS, OS, Data Science

Tools: Git, GitHub, Postman, Vercel, Railway.app, LaTeX

POSITIONS OF RESPONSIBILITY

- **Tech Society Representative** – Managed events, coordination, and fundraising for diverse initiatives.
- **Tech Event Lead**, “Technovation-2024” – Organized tech events in collaboration with senior coordinators.