

Laxmi Nrusingh Rath

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Summary

Electrical and Computer Engineering student skilled in full-stack development, machine learning, and data analysis. Experienced in building efficient, user-focused digital solutions using MERN stack. Seeking opportunities to contribute to software development and innovative tech projects.

Education

2022 – 2026 **B.Tech in Electrical and Computer Engineering**
Gandhi Institute for Education and Technology, Bhubaneswar
Current CGPA: 8.05

Technical Skills

Languages	JavaScript, Python
Frontend	HTML5, CSS3, Bootstrap, React.js
Backend	Node.js, Express.js
Databases	MongoDB, SQL
Libraries / ML	NumPy, Pandas, Matplotlib, Seaborn, Scikit-Learn
Tools	Git, GitHub, VS Code, Jupyter Notebook
Deployment	Render, Netlify, Vercel

Internship Experience

Web Application Development Intern — IT Centre, East Coast Railway (ECoR), Bhubaneswar *May 2025 – July 2025*

- Developed full-stack applications using React.js, Node.js, Express.js, and MongoDB.
- Built reusable UI components and conducted frontend testing.
- Worked with senior IT engineers to deliver scalable internal tools used across departments.

Projects

1. ID Card Generation System (MERN)

- A complete MERN-based employee ID generation platform.
- Supports automated data entry, validation, and dynamic ID rendering.
- Ensures secure data storage using MongoDB and offers a responsive UI.

2. Video Conferencing Platform (React, WebRTC, Socket.IO)

- A real-time communication system similar to Zoom.
- Uses WebRTC for video/audio transfer and Socket.IO for live messaging.
- Supports screen sharing, multi-user rooms, and low-latency interaction.

3. Jarvis Voice Assistant (Python)

- A Python-based virtual assistant for system task automation.
- Uses SpeechRecognition and pyttsx3 for voice input/output.

Certifications

- Front-End Web Development — Reliance RF Skilling Academy
- Full Stack Web Development — Apna College
- Python Bootcamp — CodeWithHarry
- Data Science Course — CodeWithHarry