



# Gaurav Raj

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## Summary

Final-year B.Tech CSE student with strong foundations in DSA, OOP, OS, CN, and DBMS. Skilled in Java, React, Node.js, and MySQL. Passionate about building projects and learning new technologies.

## Education

**KIIT, Bhubaneswar — B.Tech CSE** 2023 – 2026 (Ongoing)  
CGPA: 7.31

**Government Polytechnic Munger — Diploma in CSE** 2020 – 2023  
CGPA: 8.01

**D.A.V. Public School, Muzaffarpur — Class 10th (CBSE)** 2020  
Percentage: 71.5%

## Internship

**Team Lead – HRMS Project** Jan 2025 – Apr 2025  
*UptoSkill, Remote*

- Led a team to develop a Human Resource Management System (HRMS) handling employee records, payroll, and role-based access.
- Worked on frontend development using React, HTML, CSS, and JavaScript.
- Collaborated with teams, ensured timely delivery, and followed Git + Agile practices.

## Skills

**Languages:** C, Java, JavaScript, HTML, CSS  
**Web:** React, Node.js  
**Databases:** MySQL  
**Deployment:** Vercel, Netlify  
**Tools:** Git, GitHub  
**Core CS:** DSA, OOP, OS, DBMS

## Projects

**Hospital Management System** Java, MySQL  
*Role: Full-stack Developer (Individual Project)*

- Built a hospital management system in Java with MySQL backend.
- Connected DB via JDBC, designed 20+ table schema in 3NF.
- Modules: patient registration, bed allocation, employee/department mgmt, ambulance tracking.

**Craft Zone – E-commerce Platform** React, Node.js, Google Apps Script, Google Sheets  
*Role: Full-stack Developer*

- Developed an e-commerce app with catalog, cart, and order features.
- Integrated Google Apps Script APIs to connect React with Google Sheets.
- Built reusable components and route-based pages.
- Live: [craft-zone.vercel.app](https://craft-zone.vercel.app)

**Next-Generation Deep Signature Framework for Analyzing Financial Data** Python, Deep Learning, Transformers, GNN, PyTorch  
*Role: Team Member — KIIT Major Project*

- Developed an advanced financial time-series forecasting framework using Deep Signature Models, Temporal Graph Transformer (TGT), and MCANRT.
- Worked on data preprocessing, feature engineering, and evaluation using RMSE, MAE, Sharpe Ratio, and Directional Accuracy metrics.
- Contributed to research, documentation, visualization, and performance analysis of deep learning architectures.

- Implemented hybrid deep learning techniques combining Transformers, Graph Neural Networks, and ensemble strategies for stock prediction.

## Certifications

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- IT Essentials: PC Hardware and Software (Cisco), Jul 2021
- Introduction to Cybersecurity (Cisco), May 2024
- Zero Trust Cloud Security Virtual Internship (Eduskills/AICTE), Oct–Dec 2024
- AI-ML Virtual Internship (Google for Devs, Eduskills/AICTE), Jan–Mar 2025

## Languages

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Hindi, English