



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

SwapStore – Full Stack E-Commerce Web App

Vite, Vanilla JavaScript, Node.js, Express.js, MongoDB Atlas,

Google OAuth, JWT

Role: Full-stack Developer

- Developed a full-stack e-commerce platform using Vite and Vanilla JavaScript with Express.js backend.

- Implemented Google OAuth login, JWT-based authentication, and bcrypt-secured user registration.

- Built dynamic product listing, add-to-cart functionality, and contact form with MongoDB Atlas integration.

- Designed REST APIs and deployed the application on Vercel.

- Live: swap-store-blush.vercel.app

Next-Generation Deep Signature Framework for Analyzing Financial Data

Transformers, GNN, PyTorch

Role: Team Member — KIIT Major Project

Python, Deep Learning,

- 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

- 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

Hindi, English