

Ritu Raj Singh

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LinkedIn — GitHub — Portfolio

Education

VIT Bhopal University

Bachelor of Technology in Computer Science and Engineering (E-commerce Technology)

CGPA: 8.16

Expected 2027

Technical Skills

Programming Languages: Java, Python, C++ (Basic)

Web Technologies: HTML, CSS

Databases: MySQL, MongoDB

Tools & Platforms: Git, GitHub, Docker, AWS, Streamlit, n8n (Workflow Automation)

Projects

Tax Quantum — Automated GST GSTR-1 Filing & Sales Analytics Platform

Next.js, React, TypeScript, Node.js, Excel/CSV Processing

- Developed a full-stack GST automation platform for Indian e-commerce sellers, reducing GSTR-1 filing time from hours to under 2 minutes.
- Implemented GST-compliant computation for B2CS, SUPECO, and DOC_ISSUE sheets with validation and precision rounding.
- Built multi-marketplace data processing for Amazon, Flipkart, and Meesho with state-wise and platform-wise analytics.
- Enabled multi-file merging for monthly and quarterly filings with Excel and JSON export support.
- Designed logic to handle returns, cancellations, credit notes, and debit notes matching GST portal calculations.

Hostel Management System

Web-based Role Management Platform

- Developed a role-based hostel management system with visual room allocation similar to airline seat booking interfaces.
- Implemented separate dashboards for students, wardens, and staff with secure role-based access control.
- Integrated a night canteen ordering system with online payment functionality.
- Built real-time complaint tracking and dashboard-based notice broadcasting for effective hostel communication.

Internship Experience

Edunet Foundation — Intern

Jan 2025 – Feb 2025

AICTE Internship on AI: Transformative Learning with TechSaksham
(Microsoft & SAP CSR Initiative)

- Developed an AI-powered health chatbot using Python and Streamlit with real-time user interaction.
- Worked on chatbot logic, UI integration, and basic deployment workflows.

Certifications

- Google IT Support Professional Certificate — Google
- Oracle Cloud Infrastructure 2025 Certified DevOps Professional — Oracle
- Foundations of Digital Marketing & E-commerce — Google
- Indo-Dutch Cyber Security School (7th Edition)