

RITISH KUMAR SINGH

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LinkedIn | GitHub | Portfolio

SUMMARY

Software Engineer with strong foundations in data structures, algorithms, and object-oriented design. Experienced in building scalable backend systems and full-stack web applications using Java, Python, and MERN. Proven ability to write efficient, maintainable code and deliver end-to-end features aligned with performance, reliability, and scalability requirements.

SKILLS

- **Languages:** Java , Python, JavaScript
- **Core CS:** Data Structures & Algorithms, OOP, DBMS, OS, System Design
- **Backend / Web:** Node.js, Express.js, REST APIs, React.js
- **Databases:** MongoDB, MySQL
- **Tools:** Git, GitHub, VS Code, Vercel, Render
- **Soft Skills:** Time Management, Problem Solving, Analytical Thinking

EXPERIENCE

Infosys Ltd — Systems Engineer Trainee

Nov 2025 – Present

- Strengthened software engineering fundamentals with emphasis on DSA, OOP, and backend development.
- Designed and optimized backend components focusing on scalability, performance, and clean architecture.
- Solved real-world debugging and assessment-based engineering problems in agile team environments.

PROJECTS

AI Studio — MERN

Designed and developed a scalable multi-tool platform including content generation, travel planning, and interview preparation modules. Built modular REST APIs, implemented authentication and role-based access control, and enabled secure payment-based feature gating.

QuickCart — MERN

Developed an end-to-end e-commerce system with product catalog, cart management, and Stripe-based checkout. Focused on reliable order processing, API optimization, and responsive UI across devices.

Iris Flower Classifier — Python

Implemented a multi-class classification system for the Iris dataset with data preprocessing, feature normalization, and model evaluation. Focused on clean data pipelines, correctness of predictions, and performance evaluation using standard metrics.

EDUCATION

B.Tech in Information Technology

CGPA: 9.05 — 2021–2025

Dr. Akhilesh Das Gupta Institute of Technology & Management
Guru Gobind Singh Indraprastha University, Delhi

CERTIFICATIONS

- Programming and OOP using Java — Infosys
- Data Structures and Algorithms using Java — Infosys
- MERN Stack Development — CodeHelp
- Node.js — IBM

ACHIEVEMENTS

- Gold Medalist — National Science Olympiad
- Silver Medalist — International Mathematics Olympiad
- Silver Medalist — National Cyber Olympiad