

# RITISH KUMAR SINGH

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LinkedIn | GitHub | Portfolio

## SUMMARY

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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

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- **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

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### 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

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### 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

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### 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

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

## ACHIEVEMENTS

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