

# RITISH KUMAR SINGH

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LinkedIn | GitHub | Portfolio

## SUMMARY

Software Engineer with training in IBM Mainframe technologies including JCL, COBOL, DB2, and COBDB, supported by strong foundational knowledge of Java, Data Structures, and Object-Oriented Programming. Familiar with Python and the MERN stack for application development. Possesses a solid understanding of enterprise systems, database-driven applications, and scalable software.

## SKILLS

- **Languages:** Java, Python, JavaScript
- **Mainframe:** JCL, COBOL, DB2, CICS, COBOL-CICS-DB2
- **Web Development:** MERN Stack (MongoDB, Express.js, React.js, Node.js), REST APIs
- **Databases:** MongoDB, MySQL, HSQL
- **Tools:** Git, GitHub, VS Code, Vercel, Render
- **Core Computer Science:** Data Structures & Algorithms, Object-Oriented Programming, DBMS, Operating Systems
- **Soft Skills:** Problem Solving, Analytical Thinking, Time Management

## EXPERIENCE

### Infosys Ltd — Systems Engineer Trainee (Mainframe)

Nov 2025 – Present

- Trained in IBM Mainframe technologies including JCL, COBOL, DB2, and COBDB for enterprise application development.
- Developed JCL jobs and built COBOL programs with embedded SQL using DB2 for batch processing and data management.
- Completed foundational training in Java, OOP, DSA, and HSQL to strengthen programming and database concepts.

## PROJECTS

### AI Studio — MERN

Developed a multi-tool platform featuring content generation, travel planning, and interview preparation with secure authentication and payment integration.

### QuickCart — MERN

Built a full-stack e-commerce application with product management, cart functionality, and Stripe-based checkout.

### Iris Flower Classifier — Python

Created a machine learning model for multi-class classification with data preprocessing, normalization, and performance evaluation.

## 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

- Job Control Language - Infosys
- Common Business Oriented Language - Database2 - Infosys
- Programming and OOP using Java — Infosys
- Data Structures and Algorithms using Java — Infosys
- MERN Stack Development — CodeHelp

## ACHIEVEMENTS

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