Ayush Katiyar

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SUMMARY

Computer Science undergraduate with a good understanding of Java. Interested in building simple, real-world projects to strengthen programming concepts, problem solving, and software development skills, with hands-on experience in small projects involving web applications and database management and passionate about learning modern technologies and applying them through practical projects.

EDUCATION

Rustamji Institute of Technology   Gwalior, MP
B.Tech in Computer Science   *Oct. 2022 – Present*
- Current CGPA: 7.98

Morning Star School   Gwalior, MP
Senior Secondary (Science Stream)   *June 2020 – June 2022*

PROJECTS

Portfolio Website | *HTML, CSS, JavaScript*   **(GitHub)**   2024
- Created a simple personal website to show my education, skills, and projects.
- Used HTML and CSS for structure and design, and JavaScript for small interactions.
- Uploaded it on netlify to make it live and easy to share.
- Learned how to design and structure a static web page.

Employee Payroll System | *Java, MySQL, OOP*   **(GitHub)**   2025
- Developed a console-based payroll management system to store employee details and calculate salaries.
- Applied core **Object-Oriented Programming** concepts such as inheritance, polymorphism, and encapsulation.
- Performed CRUD operations on employee records using MySQL integration.
- Implemented exception handling and input validation to ensure error-free execution.

Banking Management System | *Java, MySQL, OOP*   **(GitHub)**   2025
- Built a console-based Java application for basic banking operations such as account creation, deposit, withdrawal, and balance inquiry.
- Added **exception handling** and **input validation** to manage errors like invalid entries and negative amounts.
- Focused on keeping data consistent during every transaction, following the idea of **ACID properties** to ensure reliability.
- Used **Object-Oriented Programming** to organize accounts and transactions clearly using classes and objects.
- Connected Java with MySQL to store customer details and transaction records.

TECHNICAL SKILLS

Programming: Java, SQL
Core Subjects: Data Structures and Algorithms, Operating Systems, DBMS, Computer Networks
Web: HTML, CSS,
Database: MySQL
Tools: Git, GitHub
Soft Skills: Problem Solving, Analytical Thinking, Teamwork, Communication

ACHIEVEMENTS & ACTIVITIES

Solved 150+ coding problems on LeetCode and GeeksforGeeks to strengthen problem-solving skills.
Participated in inter-college coding contests.
Volunteered in technical events and workshops at RJIT.

CERTIFICATIONS

AWS Academy Introduction to Cloud — AWS Academy   *2023*
Badge Link: View Certificate