RISHABH MISHRA

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PROFESSIONAL SUMMARY

Computer Science graduate with internship and project experience in Java development, Spring Boot backend services, REST APIs, and SQL databases. Skilled in Core Java, Object-Oriented Programming, Collections, Exception Handling, Spring Data JPA, MySQL, and PostgreSQL. Experienced in backend workflow automation, relational database integration, API maintenance, and collaborative software development. Strong foundation in problem-solving, debugging, and building maintainable applications.

TECHNICAL SKILLS

Languages: Java, Python, SQL
Java & Backend: Core Java, OOP, Collections, Exception Handling, Spring Boot, Spring Scheduler, Spring Data JPA, REST APIs
Databases: MySQL, PostgreSQL, Firebase Realtime Database, Room Database
Frontend: HTML5, CSS3, React
AI/ML: Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, EDA, K-Means, PCA, LLM API Integration
Tools: Git, GitHub, Android Studio, Streamlit, Flask, FastAPI

PROFESSIONAL EXPERIENCE

Nullclass *Software Developer Intern | Mar 2025 – Sep 2025*

- Collaborated with a development team and mentor to implement Java and Spring Boot backend services supporting 3 core workflows: intern onboarding, course assignments, and deadline tracking.
- Configured automated deadline monitoring and email reminder workflows using Spring Scheduler and cron jobs, incorporating intern submission-status updates.
- Engineered certificate-generation workflows that validated course-completion criteria and generated personalized PDF certificates, while integrating Spring Data JPA with MySQL and PostgreSQL across 4 core data areas.
- Maintained backend REST APIs and collaborated with frontend developers to support dashboard functionality for 2 user groups: interns and administrators.

Oasis Infobyte *Java Development Intern | Aug 2024 – Sep 2024*

- Engineered 2 Core Java applications: ATM Interface and Number Guessing Game using Object-Oriented Programming principles.
- Delivered 4 application features: input handling, login validation, balance updates, and score tracking.
- Applied Java Collections and Exception Handling to manage application state and handle invalid user inputs across both projects.

Feynn Labs *Data Science Intern | Apr 2024 – Jun 2024*

- Collaborated in a 3-member team with mentor guidance to build and deploy Python-based data science prototypes, conducting exploratory data analysis, preparation, and visualization for electric vehicle market research.
- Conducted customer segmentation experiments using 2 machine learning techniques: K-Means clustering and Principal Component Analysis (PCA).
- Integrated an external LLM API to build an AI-powered chatbot and deployed the interactive application using Streamlit.

PROJECTS

Library Management System *Java, MySQL, HTML, CSS*

- Designed a Java and MySQL application supporting 4 CRUD operations: book creation, searching, updating, and deletion, with book issue-and-return management through relational database records.

HaloChat – Android Real-Time Messaging Application *Java, XML, Firebase, Room*

- Built 5 core features: Firebase Authentication, email verification, user profiles, friend management, and real-time messaging.
- Integrated 2 storage solutions, Firebase Realtime Database and Room Database, for cloud chat synchronization and local message caching.

YENRIX – Android Streaming Application Prototype *Java, XML, Room*

- Building a streaming prototype with 7 configurable settings: destination, orientation, resolution, frame rate, bitrate, audio preferences, and low-end device mode, persisted using Room Database.

EDUCATION

B.Tech in Computer Science and Engineering **CGPA: 7.45/10**
Takshshila Institute of Engineering and Technology, Jabalpur *2022 – 2026*

CERTIFICATION

Google Cloud / Hack2Skill – GenAI Academy