

Sourabh Singh Mandloi

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SUMMARY

Computer Science Engineer skilled in **Java**, **Python**, **FastAPI**, and **SQL** for building scalable **backend services** and **RESTful APIs**. Experienced in developing high-performance systems using **Spring Boot**, **Hibernate**, and **MySQL**. Hands-on with the **Software Development Life Cycle (SDLC)** and basic **DevOps** practices. Strong problem-solver with solid foundations in **DSA**, **OOPs**, **microservices**, **system architecture**, and familiar with basic **testing** and **debugging** workflows.

EDUCATION

Institute of Engineering And Science , Indore

July 2022 - June 2026

B.Tech., AIML (Minor in Computer Science and Engineering) (CGPA: 6.8/10)

Indore, MP

SKILLS

Programming Languages: Java, SQL, Python, JavaScript(basic)

Tools: Git/GitHub, Postman, Maven, Docker(basic) , IntelliJ IDEA

Databases: MySQL

Frameworks: FastAPI, Spring Boot, Hibernate

Concepts: REST APIs, SDLC, Microservices, OOP, DSA

Methodologies: Agile, CI/CD, Software Testing (Basic)

EXPERIENCE

WebSeeder Technologies | Software Developer Intern

Jun 2025 – Sep 2025 | *Indore, MP*

- Developed backend APIs using **Python**, **FastAPI**, and Flask for automation and data processing.
- Integrated services with **MetaTrader5** and optimized application performance and workflow automation.
- Worked with **MySQL**, SQL queries, Docker, and Git to build scalable, production-ready components.
- Collaborated with the team to **follow SDLC** best practices and deliver reliable backend features.

ACADEMIC PROJECTS

Trip Planner | Spring Boot, Angular, MySQL

Jan 2025 - Mar 2025

- Built a full-stack trip management system with **role-based access** (Admin, Planner, User).
- Developed 10+ Spring Boot REST APIs, improving data handling speed by 30% through optimized JPA/Hibernate queries.
- Implemented status management (Continue/Discontinue) with real-time UI sync and 10+ Angular components for better UX.
- Designed a normalized **MySQL database** (20+ tables) ensuring reliable data integrity and efficient relational mapping.
- Followed **SDLC best practices** and integrated testing for high maintainability and scalability.

Automated Trading Platform | Python, FastAPI, MySQL, Pydantic

Jun 2025 – Sep 2025

- Developed scalable backend APIs using FastAPI for strategy execution, account handling, and analytics.
- Implemented automation logic for trade execution and custom strategies, improving reliability and reducing manual effort.
- Performed **backtesting on historical market data**, achieving 25–30% improved returns over baseline strategies.
- Built MySQL database modules for handling user data and wishlist management with optimized CRUD operations.
- Optimized API throughput and architecture to support **10,000+ simulated requests/day**.

ACHIEVEMENTS

Cognitive Classes - SQL and Relational Databases

May 2025

Oracle - Cloud Database Services 2025 Certified Professional

Sept 2025

NVIDIA - Introduction to Transformer-Based Natural Language Processing

Sept 2025

Postman - Postman Api Fundamentals Student Expert

Oct 2025