

# Sourabh Singh Mandloi

📍 Sourabh Singh Mandloi    🌐 sourabhsingh88    ✉ sourabhsinghmandloi122@gmail.com    📞 +919755826293

## SUMMARY

**Computer Science Engineer** skilled in **Java, Python, Spring Boot**, and **FastAPI** with expertise in **REST APIs, microservices, database design**, and **web development**. Experienced in **AI/ML, deep learning, computer vision**, and **model training**. Skilled in designing scalable **web applications** with focus on **automation, system performance**, and **reliable deployments**. Knowledgeable in **SDLC, CI/CD practices, unit testing, integration testing**, and **performance optimization**.

## EDUCATION

**Institute of Engineering And Technology , Indore** July 2022 - June 2026  
*B.Tech., AIML (Minor in Computer Science and Engineering) (CGPA: 6.8/10)* Indore, MP

## SKILLS

**Programming Languages:** Java, Python, SQL (Oracle/MySQL), HTML/CSS  
**Tools:** Git/GitHub, Docker, Postman, Swagger, Selenium, PyTest  
**Databases:** MySQL, Oracle  
**Frameworks:** Spring Boot, FastAPI, Flask, Angular  
**Concepts:** REST APIs, OOP, Data Structures & Algorithms, AI/ML, SDLC

## EXPERIENCE

**WebSeeder Technologies | Software Developer Intern** June 2025 - Sept 2025  
**Automated Trading Platform | Python , FastAPIs , Pydantic Model , MetaTrader5** Indore, MP

- Engineered an **automated** trading bot using FastAPI, MetaTrader5, and Python to execute trades with custom strategies.
- Performed backtesting on historical data, achieving **25–30% higher returns** compared to manual strategies.
- Implemented risk management features (stop-loss, take-profit, lot-sizing), reducing manual errors by **80%** in simulations.
- Developed scalable APIs for strategy management and performance analytics, supporting **10,000+ simulated requests/day**.

**Image Search Engine | Python, Flask, MobileNET v2**

- Created** an ML-powered image search engine using MobileNet, boosting retrieval accuracy by **85%+**
- Optimized** the search pipeline with cosine similarity, cutting query time by **40%**.
- Refactored** services to align with platform architecture, achieving **100% code coverage**, and **collaborated** with cross-functional teams.

## ACADEMIC PROJECTS

**Trip Planner | Spring Boot, Angular, MySQL , SDLC** Jan 2025 - March 2025

- Designed and deployed** a full-stack web app for trip management with role-based access (Admin, Planner, User).
- Built** 10+ RESTful APIs in Spring Boot, improving data handling speed by **30%** with optimized queries and JPA/Hibernate.
- Implemented** a status toggle feature (Continue/Discontinue), ensuring real-time UI synchronization.
- Developed** 10+ Angular components, enhancing user experience by **25%**.
- Integrated MySQL relational schema with **20+ normalized tables** (Trip, User, Planner, City, Status) for consistent data management.

## ACHIEVEMENTS

**AWS Academy Graduate - Machine Learning Foundations** Jan 2025  
**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