

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 <i>B.Tech., AIML (Minor in Computer Science and Engineering) (CGPA: 6.8/10)</i>	July 2022 - June 2026 Indore, MP
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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
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Automated Trading Platform Python , FastAPIs , Pydantic Model , MetaTrader5	Indore, MP
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- 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	
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- 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
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- 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
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Cognitive Classes - SQL and Relational Databases	May 2025
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Oracle - Cloud Database Services 2025 Certified Professional	Sept 2025
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NVIDIA - Introduction to Transformer-Based Natural Language Processing	Sept 2025
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