Sakshi Semalti

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○ Sakshisemalti 🔗 Sakshi-portfolio

PROFESSIONAL SUMMARY

Results-driven Software Engineer with 2+ years of experience in Java, Python, Spring Boot, SQL, Docker and CI/CD. Transitioning into AI/ML with hands-on experience in machine learning, data preprocessing, model training and deployment. Passionate about building intelligent, real-world solutions.

SKILLS

Technical Skills
- **Languages:** Java, Python, SQL, HTML, CSS
- **Backend & DevOps:** Microservices, REST APIs,Docker, Kubernetes, Jenkins, CI/CD, Git, Linux
- **AI/ML:** Numpy, Pandas, Matplotlib, Seaborn, Scikit-Learn, PyTorch, FastAPI, Word2Vec, XGBoost, Random Forest, NLP
- **Deep Learning**: Neural Networks, Transformers, Large Language Modelling, Reasoning Models

Soft Skills
Communication, Adaptability, Time Management, Problem Solving

CERTIFICATES

- Microsoft Certified: Azure Data Fundamentals ⃤
- Google Cloud : Machine Learning Training ⃤
- AWS Certified Cloud Practitioner ⃤

EDUCATION

Minor in AI, *Indian Institute of Technology Ropar*	09/2024 – 08/2025
Post Graduate Diploma in Advance Computing, *Centre for Development of Advanced Computing (C-DAC)*	08/2022 – 03/2023
Bachelor of Technology (Electronics & Communication Engineering), *Dr. Akhilesh Das Gupta Institute of Technology*	08/2018 – 07/2022

PROFESSIONAL EXPERIENCE

Associate Software Engineer, *Tech Mahindra*   05/2023 – Present | Pune, India
- Automated network testing workflows, runbook executions, and system tasks, reducing manual effort by **80%** and improving system reliability.
- Developed Java microservices with Spring Boot, Apache Kafka and REST APIs, enhancing data ingestion reliability and reducing reporting delays by **30%.**
- Optimized API performance through query tuning and caching, lowering server response times by **20%.**
- Supported migration from legacy IST architecture to SOLL architecture, enabling seamless integration of monitoring and automation tools.

PROJECTS

Movie Recommendation System ⃤
Content-based engine that suggests movies similar to a selected one using **TF-IDF & cosine similarity** on TMDB metadata (cast, genre, release date, posters), deployed with **Streamlit.**

Credit Card Fraud Detection ⃤
Developed an ML-based model to detect fraudulent credit card transactions using the Kaggle dataset. Evaluated algorithms (KNN, Logistic Regression, Decision Tree) to maximize fraud detection accuracy.