Ishali Jadhav

Data Science Student | Machine Learning & Statistical Modeling | NLP Enthusiast

M.Sc. Data Science student with a strong foundation in machine learning, statistics, and data analysis, complemented by prior software engineering experience at Oracle. Proficient in Python and SQL, with hands-on experience in building end-to-end ML pipelines, feature engineering, model evaluation, and reproducible workflows. Interested in developing production-ready data-driven solutions with measurable business impact.

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Education

M.Sc Data Science   10/2024 - Present

Universität Potsdam

B.E. Computer Engineering   08/2018 - 07/2022

Savitribai Phule Pune University   1.1

Projects

Income Classification Using Machine Learning   09/2025 - 09/2025

- Built a classification pipeline in Python with preprocessing, feature engineering, and model comparison.
- Implemented handling of missing values, scaling, encoding, and threshold tuning to improve performance on imbalanced data.
- Interpreted model results to derive insights and prioritized them based on business-relevant metrics.

Scalable Workflow for Energy Data Analysis   06/2025 - 07/2025

- Developed an automated data pipeline with configuration-driven orchestration (YAML-based).
- Built modular, reusable Python scripts for data processing and visualization.
- Gained practical experience in workflow automation and scalable data engineering practices.

Cloud-Scale AI Execution with Docker & Data Pipelines   01/2025 - 02/2025

- Containerized an ML-based system with modularized services using Docker.
- Automated data ingestion and model execution through orchestrated pipelines.
- Demonstrated understanding of reproducibility, CI/CD integration, and scalable system design.

Experience

Associate Consultant (Developer)   07/2022 - 09/2024

Oracle, India

- Delivered end-to-end backend customizations in Oracle Flexcube for Canara Bank, from design to production rollout.
- Automated UAT-like environments via schema replication and configuration, significantly reducing rejections.
- Optimized data flows and improved incident response through real-time issue diagnostics and deployment support.

Web Development Intern   08/2020 - 11/2020

Mahen Technologies Pvt. Ltd.

- Developed a full-stack ERP web application to streamline institutional workflows and data management.
- Designed and implemented scalable MySQL databases for user and transaction processing.
- Enhanced system performance and user experience through efficient backend and module development.

Skills

Applied Machine Learning – Supervised learning, Model evaluation, Feature Engineering, Natural Language Processing

Statistics - Statistical inference, hypothesis testing, Regression analysis

Tools & Frameworks - Docker, Git, CI/CD (GitHub Actions), Tableau

Programming & Algorithms - Python (pandas, NumPy, scikit-learn, matplotlib/seaborn), SQL

Languages - English (C1), German (B1 - actively learning)