

Manisha Sen

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Profile Summary

Data-driven AI/ML enthusiast with strong skills in Python, SQL, and statistics. Proficient in exploratory data analysis, feature engineering, and building machine learning models to extract actionable insights. Experienced in deploying AI/ML applications using Flask and Django. Passionate about solving real-world problems by combining machine learning expertise with scalable application development.

EXPERIENCE

Data Science Intern - Celebal Technologies, Pune | May – July 2025

A company focused on delivering data-driven solutions

- Performed exploratory data analysis (EDA) on complex datasets to identify trends, correlations, and patterns.
- Implemented Retrieval-Augmented Generation (RAG) to improve the accuracy and relevance of language model outputs.
- Applied machine-learning algorithms for predictive modeling, classification, and data-driven insights.

EDUCATION

Zeal College of Engineering and Research, MH, IN

2022 – 2026

Bachelor of Engineering in Computer Engineering | Cumulative SGPA: 8.6

CBSE 12th – New Horizon Public School - 81.8% | **CBSE 10th** – MNR School of Excellence - 90%

PROJECTS

- HealthiBite** (Flask) - [Project Link](#) 2024
 - Developed a context-aware lifestyle recommendation app that suggests personalized meals, workouts, and sleep plans using user prompts
 - Integrated nutrition logic and prompt-based responses for dynamic user interaction
- Anomaly Detector** (Streamlit) - [Project Link](#) 2025
 - Built a Streamlit web app for anomaly detection in CSV datasets using Isolation Forest and tested a prototype autoencoder in TensorFlow for enhanced anomaly detection.
 - Visualized anomalies in real-time charts for intuitive analysis.
 - Highlighted outliers and enabled downloading of cleaned datasets for faster EDA.

SKILLS

- Programming Skills:** Python(Pandas, NumPy, scikit-learn, PyTorch, TensorFlow), SQL, C++
- Web Technologies:** HTML, CSS
- Data Analysis & Visualization Tools:** Pandas, Matplotlib, Power BI, Excel,
- Tools & Basic Design:** Git, VS Code, Jupyter Notebook, Streamlit, Blender, Canva

CERTIFICATIONS

- NPTEL- Database Management (IIT Kharagpur)
- IBM – Machine Learning with Python
- TechA Natural Language Processing Foundation Certification
- Udemy - Generative AI on AWS – Amazon Bedrock , RAG, Langchain

ACHIEVEMENTS & AWARDS

- Solved 200+ programming and SQL problems to strengthen problem-solving and data analysis skills.
- DIPEX Defence Category Winner (2025):** Quantum-Resistant Encryption for Defence Systems, demonstrating innovation and practical application in defence tech.

INTERNSHIP TRAININGS

- Zensar ESD** | Jan 2025
150-hour training in Python, PL/SQL, and Core Java
- TechSaksham & Microsoft SAP** | Feb 2025
150-hour training in Python, Data Analysis, AI tools, and communication skills.