

# Manisha Sen

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[Github](#) | [LinkedIn](#) | [LeetCode](#) | [Geeksforgeeks](#)



## 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

### 1. **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

### 2. **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.