

PROFILE

Aspiring AI/ML Engineer with hands-on experience in Machine Learning, Data Analysis, and Python development. Proficient in Python, SQL, Pandas, NumPy, Scikit-learn, and Flask, with experience in data preprocessing, predictive modeling, and model deployment. Developed and deployed real-world Machine Learning applications including Car Price Prediction and Spam Detection systems. Passionate about leveraging AI and Machine Learning to solve real-world problems.

EDUCATION

Government Engineering College, Modasa
B.E. in Computer Engineering

2021 – 2025

SKILLS

Programming: Python, SQL
AI/ML: Machine Learning, Artificial Intelligence
Tools: Git, PyCharm, Jupyter Notebook, Flask, Linux

TECHNICAL PROFICIENCIES

Data Science: Data Cleaning, Data Preprocessing, Structured and Unstructured Data
Libraries: NumPy, Pandas, Matplotlib, Scikit-learn
Machine Learning: Regression, Classification, Clustering, Supervised Learning, Unsupervised Learning, Model Training
Advanced ML: Feature Engineering, Model Evaluation
Mathematics: Linear Algebra, Probability, Statistics

PROJECTS

Python Mini Projects

- Developed console-based Python games such as Tic Tac Toe, Snake & Ladders, Guess the Number, and Quiz Game.
- Applied Python concepts including loops, conditions, functions, random module, and user input handling.
- Improved problem-solving and logical thinking through mini project development.

AI/ML Projects

- **Car Price Prediction System **
 - Developed a Machine Learning web application using Python, Flask, Pandas, and Scikit-learn for used car price prediction.
 - Performed data preprocessing, EDA, and trained Linear Regression models for accurate price estimation.
 - Deployed the application on Render with real-time prediction functionality.
- **SMS/Email Spam Classifier **
 - Built an NLP-based spam detection system using Python, Scikit-learn, and TF-IDF vectorization.
 - Applied text preprocessing techniques and trained classification models for spam detection.
 - Deployed the application on Streamlit Cloud for real-time message classification.