VE3

Python Developer (AI/ML) Intern Assignment

Task: Develop a Flask Web Application for House Price Prediction Using a Machine Learning Model

Objective: Your task is to create a Flask-based web application that predicts house prices based on input features using a machine learning model. You can use any open-source housing price dataset and a simple model algorithm, preferably implementing the model algorithm yourself. The final deliverable should be a GitHub repository containing the code, documentation, and setup steps.

Assignment Structure:

1. **Create a Flask Web Application:**
   Develop a web application using Flask.
   Implement a form to accept house features (e.g., number of bedrooms, bathrooms, size in square feet, and location etc).
   Use a machine learning model to predict house prices based on these features.

2. **Model Implementation:**
   You can use any open-source housing price dataset.
   Implement a simple model algorithm of your choice or use an existing model.

3. **Application Functionality:**
   Create a form to input house features.
   Use the model to predict house prices based on the input features.

Please run the application on your end and submit snapshots form submission and response. Along with these snapshots, include the URL to your GitHub repository. Note that both the successful implementation of the application and the quality of code documentation are crucial for this assessment. Ensure that your repository has a well-written README file explaining the setup, usage and any other relevant details.