My project is application.py import numpy as np import pickle import pandas as pd from flask import Flask, request, render\_template app = Flask(\_\_name\_\_) # Load the trained model try: with open('model.pkl', 'rb') as f: model = pickle.load(f) except FileNotFoundError: raise FileNotFoundError("The 'model.pkl' file could not be found. Make sure it's in the same directory as the script.") except Exception as e: raise Exception(f"An error occurred while loading the model: {e}") # Load the column names for data processing column\_names = ['monthly\_rant', 'BHKS', 'Baths', 'sqft\_per\_inch', 'build\_up\_area', 'Type\_of\_property', 'location\_of\_the\_property', 'deposit'] @app.route('/', methods=['GET']) def index(): return render\_template('index.html') @app.route('/predict', methods=['POST']) def predict(): try: input\_features = [request.form[x] for x in column\_names] input\_features = [float(x) if x.replace('.', '', 1).isdigit() else x for x in input\_features] features\_value = [np.array(input\_features)] prediction = model.predict(features\_value) output = np.exp(prediction[0]) output = np.round(output) return render\_template('upload.html', prediction\_text=f'House Rent is ₹{int(output):,}') except Exception as e: return render\_template('error.html', error\_message=str(e)) if \_\_name\_\_ == "\_\_main\_\_": app.run(host='0.0.0.0', port=8000, debug=False) home.html <!DOCTYPE html> <html> <head> <title>Rent Price Prediction</title> <link rel="stylesheet" type="text/css" href="{{ url\_for('static', filename='css/style.css') }}"> </head> <body> <h1>Welcome to Rent Price Prediction</h1> <a href="{{ url\_for('page') }}" class="button">Predict House Rent</a> </body> </html> house.ipynb import numpy as np import pandas as pd from sklearn.model\_selection import train\_test\_split from sklearn.ensemble import RandomForestRegressor import pickle # Load the dataset data = pd.read\_csv('99acres\_data.csv') # Drop any rows with missing values data.dropna(inplace=True) # Define the features and target variable X = data[['monthly\_rant', 'BHKS', 'Baths', 'sqft\_per\_inch', 'build\_up\_area', 'deposit']] y = data['monthly\_rant'] # Convert categorical variables to numerical using one-hot encoding X = pd.get\_dummies(X) # Split the data into training and testing sets X\_train, X\_test, y\_train, y\_test = train\_test\_split(X, y, test\_size=0.2, random\_state=42) # Create and train the Random Forest model rf\_model = RandomForestRegressor(n\_estimators=100, random\_state=42) rf\_model.fit(X\_train, y\_train) # Evaluate the model on the test set test\_score = rf\_model.score(X\_test, y\_test) print(f'Test Set R^2 Score: {test\_score:.4f}') # Save the trained model to a file with open('model.pkl', 'wb') as f: pickle.dump(rf\_model, f) print("Model saved successfully!") index.html <!DOCTYPE html> <html> <head> <title>Rent Price Prediction</title> <link rel="stylesheet" type="text/css" href="{{ url\_for('static', filename='css/style.css') }}"> </head> <body> <h1>Welcome to Rent Price Prediction</h1> <a href="{{ url\_for('page') }}" class="button">Predict House Rent</a> </body> </html> upload.html <!DOCTYPE html> <html> <head> <title>Rent Price Prediction</title> <link rel="stylesheet" type="text/css" href="{{ url\_for('static', filename='css/style.css') }}"> </head> <body> <h1>Predict House Rent</h1> <form method="post" action="{{ url\_for('predict') }}"> <label for="monthly\_rent">Monthly Rent:</label> <input type="text" id="monthly\_rent" name="monthly\_rent" required><br> <label for="BHKS">BHKs:</label> <input type="text" id="BHKS" name="BHKS" required><br> <label for="Baths">Baths:</label> <input type="text" id="Baths" name="Baths" required><br> <label for="sqft\_per\_inch">Sqft per Inch:</label> <input type="text" id="sqft\_per\_inch" name="sqft\_per\_inch" required><br> <label for="build\_up\_area">Build-up Area:</label> <input type="text" id="build\_up\_area" name="build\_up\_area" required><br> <label for="Type\_of\_property">Type of Property:</label> <input type="text" id="Type\_of\_property" name="Type\_of\_property" required><br> <label for="location\_of\_the\_property">Location of the Property:</label> <input type="text" id="location\_of\_the\_property" name="location\_of\_the\_property" required><br> <label for="deposit">Deposit:</label> <input type="text" id="deposit" name="deposit" required><br> <input type="submit" value="Predict" class="button"> </form> <br> <a href="{{ url\_for('index') }}" class="button">Go Back to Home</a> {% if prediction\_text %} <h2>{{ prediction\_text }}</h2> {% endif %} </body> </html> and also have model.pkl file Please provide the overview of atleast one page according to my above project without any occurance of plagarism