OVUOWO RUKEVWE

LISUM11: 30

JULY 28

GITHUB (OVUOWO- RUKEVWE)

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🛵 server.py >
         from flask import Flask, request, jsonify
    import util
    app = Flask(__name__)
    @app.route('/get_location_names')
    def get_location_names():
        response = jsonify({
            'locations': util.get_location_names()
        })
        response.headers.add('Access-control-Allow-Origin', '*')
        return response
    @app.route('/predict_home_price', methods=['POST'])
    def predict_home_price():
        sqft = float(request.form['sqft'])
        location = request.form['location']
        bhk = int(request.form['bhk'])
        bath = int(request.form['bath'])
```

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🛵 server.py
          🛵 util.py ×
                     columns.json
    @app.route('/predict_home_price', methods=['POST'])
    def predict_home_price():
        sqft = float(request.form['sqft'])
         location = request.form['location']
        bhk = int(request.form['bhk'])
        bath = int(request.form['bath'])
        response = jsonify({
             'estimated_price': util.get_estimated_price(location, sqft, bhk, bath)
        })
        response.headers.add('Access-control-Allow-Origin', '*')
        return response
        util.load_saved_artifacts()
        app.run()
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\overset{*}{\leftarrow} server.py \times \overset{*}{\leftarrow} util.py \times \overset{*}{\leftarrow} columns.json \times
      import pickle
    ≙import numpy as np
      __locations = None
      __data_columns = None
      __model = None
     Jdef get_estimated_price(location, sqft, bhk, bath):
                loc_index = __data_columns.index(location.lower())
                loc_index = -1
           x = np.zeros(len(__data_columns))
           x[0] = sqft
           x[1] = bath
           x[2] = bhk
           if loc_index >= 1:
                x[loc_index] = 1
           return round(__model.predict([x])[0])
```

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🛵 server.py
          🛵 util.py 🤇
                   🥻 🚮 columns.json
        return __locations
   def load_saved_artifacts():
        print('loading saved artifacts...starting')
         global __data_columns
         global __locations
             __data_columns = json.load(f)['data_columns']
             __locations = __data_columns[3:]
        global __model
        with open('./artifacts/predicted_house_price_model', 'rb') as f:
             __model = pickle.load(f)
        print('loading saved artifacts...done')
hif __name__ == '__main__':
        load_saved_artifacts()
         print(get_location_names())
         print(round(get_estimated_price('1st Phase JP Nagar', 1000, 3, 3), 2))
        print(round(get_estimated_price('Vishveshwarya Layout', 2500, 2, 3), 2))
```