Car Resale Value Prediction

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Flask App file

```python
import pickle
import numpy as np
import pandas as pd
from flask import Flask, render_template, request

app = Flask(__name__)

model = pickle.load(open(r'LinearRegressionModel.pkl', 'rb'))
car = pd.read_csv('Cleaned_datasets.csv')


@app.route('/')
def index():
    companies = sorted(car['Brands'].unique())
    car_models = sorted(car['Car_names'].unique())
    year = sorted(car['year'].unique(), reverse=True)
    fuel_type = car['fuel_type'].unique()

    companies.insert(0, 'Select Company')
    return render_template('index.html', companies=companies,
car_models=car_models, years=year, fuel_types=fuel_type)


@app.route('/predict', methods=['POST'])
def predict():
    company = request.form.get('company')

    car_model = request.form.get('car_models')
    year = request.form.get('year')
    fuel_type = request.form.get('fuel_type')
    driven = request.form.get('kilo_driven')

    prediction = model.predict(pd.DataFrame(columns=['name', 'company',
'year', 'kms_driven', 'fuel_type'],
```

```python
                                                    data=np.array([car_model,
company, year, driven, fuel_type]).reshape(1, 5)))
    print(prediction)


    return str(np.round(prediction[0], 2))



if __name__ == '__main__':
    app.run()
```