

PROJECT OUTPUT

Date	16 November 2022
Team ID	PNT2022TMID10674
Project Name	Project – Machine Learning based Vehicle Performance Analyzer

```

1 import numpy as np
2 from flask import Flask, request, jsonify, render_template
3 import pickle
4 #from joblib import load
5 app = Flask(__name__)
6 model = pickle.load(open('decision_model.pkl', 'rb'))
7
8 @app.route('/')
9 def home():
10     return render_template('index.html')
11
12 @app.route('/y_predict', methods=['POST'])
13 def y_predict():
14     """
15     For rendering results on HTML GUI
16     """
17     x_test = [[int(x) for x in request.form.values()]]
18     print(x_test)
19     #sc = load('scalar.save')
20     prediction = model.predict(x_test)
21     print(prediction)
22     output=prediction[0]
23     if(output<9):
24         pred="Worst performance with mileage " + str(prediction[0]) + ". Carry extra fuel"
25     if(output>9 and output<=17.5):
26         pred="Low performance with mileage " +str(prediction[0]) + ". Don't go to long distance"
27     if(output>17.5 and output<=29):

```

PREDICT YOUR CAR'S PERFORMANCE

8

180

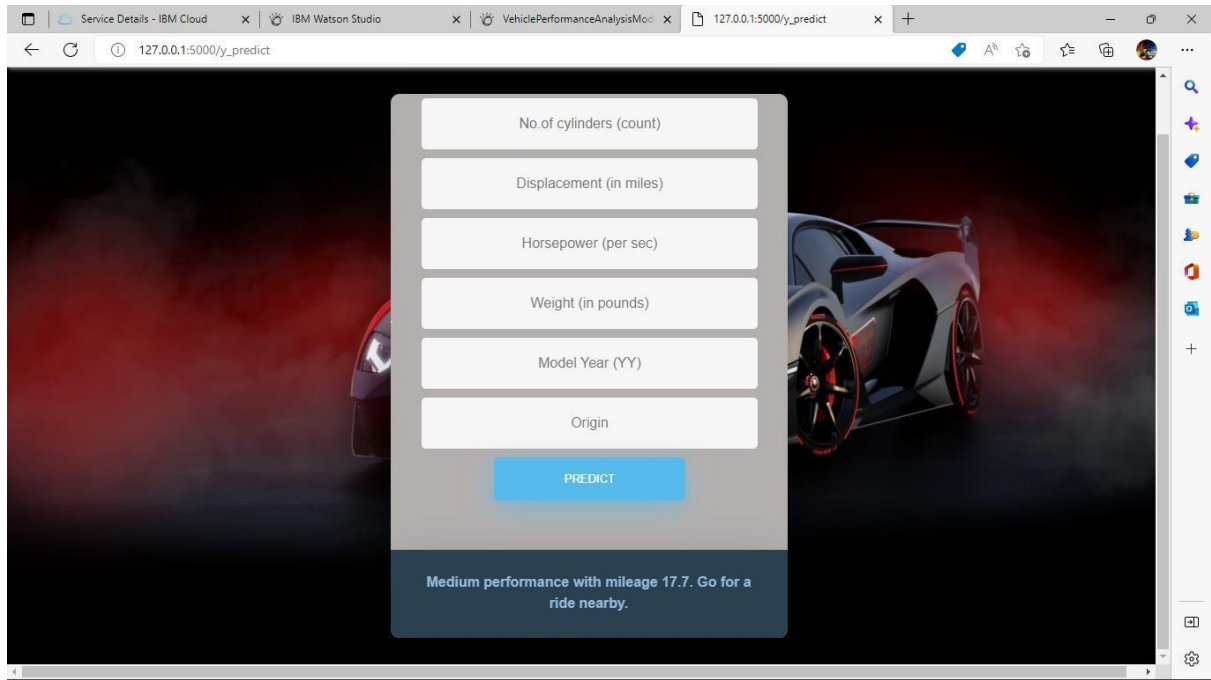
360

3500

82

11

PREDICT



Project Demonstration Video link

<https://drive.google.com/file/d/10trFTi9UvWLHmnXlCXHyQHmkTvu2V11k/view?usp=sharing>