



DATA SCIENCE

Project Proposal

C02 emission predicton using AI & ML

Udyam registration: OD-19-0082248, ministry of micro small and medium enterprises

Office : plot no: 2212,Kalpana Square Flat area, bjb nagar Bhubaneswar , odisha



Simplified computer



Certificate of training completion



This is to certify that **sidhant panda**

Father name **Nabin Chandra panda**

has successfully completed the computer course with

basic and advanced python (with numpy , pandas) .

course duration 04-06-2024 to 04-09-2024

candidate has secured A grade.

Issue date : 12-09-2024 certificate no: **smppcpy001**

scan verify



Shivam Sahoo

Founder

Simplified computer



Simplified computer

Certificate
of training completion

This is to certify that **Radha Prasad thak**

Father name **Radha Prasad thak**

has successfully completed the computer course with

CORE JAVA (with java swing GUI)

course duration 04-07-2024 to 04-09-2024

candidate has secured A grade.

Issue date : 12-09-2024 certificate no: **smppcv005**

scan verify



Simplified computer

Certificate
of training completion

This is to certify that **Ashutosh pradhan**

Father name **Anshuman pradhan**

has successfully completed the computer course with

CORE JAVA (with jdk 11 & java swing GUI) .

course duration 04-07-2024 to 04-09-2024

candidate has secured A grade(90%).

Issue date : 12-09-2024 certificate no: **smppcv003**

scan verify



Simplified computer

Our Btech CSE students qualifying
java & python certification exams

We are now
providing
Live
certification
program &
test series
For Quality
IT training
Coding skills

FileEditSelectionViewGoRunTerminalHelp

project

EXPLORER

PROJECT

template

index.html

result1.html

FuelConsumptionCo2.csv

main.py

model.pkl

my_training.py

main.py

1 from flask import Flask,render_template,request

2 import pickle

3

4

5 app=Flask(__name__,template_folder='template')

6 file=open("model.pkl",'rb')

7

8 regr=pickle.load(file)

9 file.close()

10 @app.route("/",methods=["GET","POST"])

11 def home():

12 if request.method=="POST":

13 myDict=request.form

14 engine=float(myDict['Engine'])

15 input_size = [engine]

16 test_y_ = regr.predict([input_size])[0][0]

17 #print(test_y_)

18 return render_template('result1.html',EMI=round(test_y_))

19 return render_template('index.html')

20 #return 'Hello World'+str(test_y_)

21 if __name__=='__main__':

22 app.run(debug=True)

23

PROBLEMS

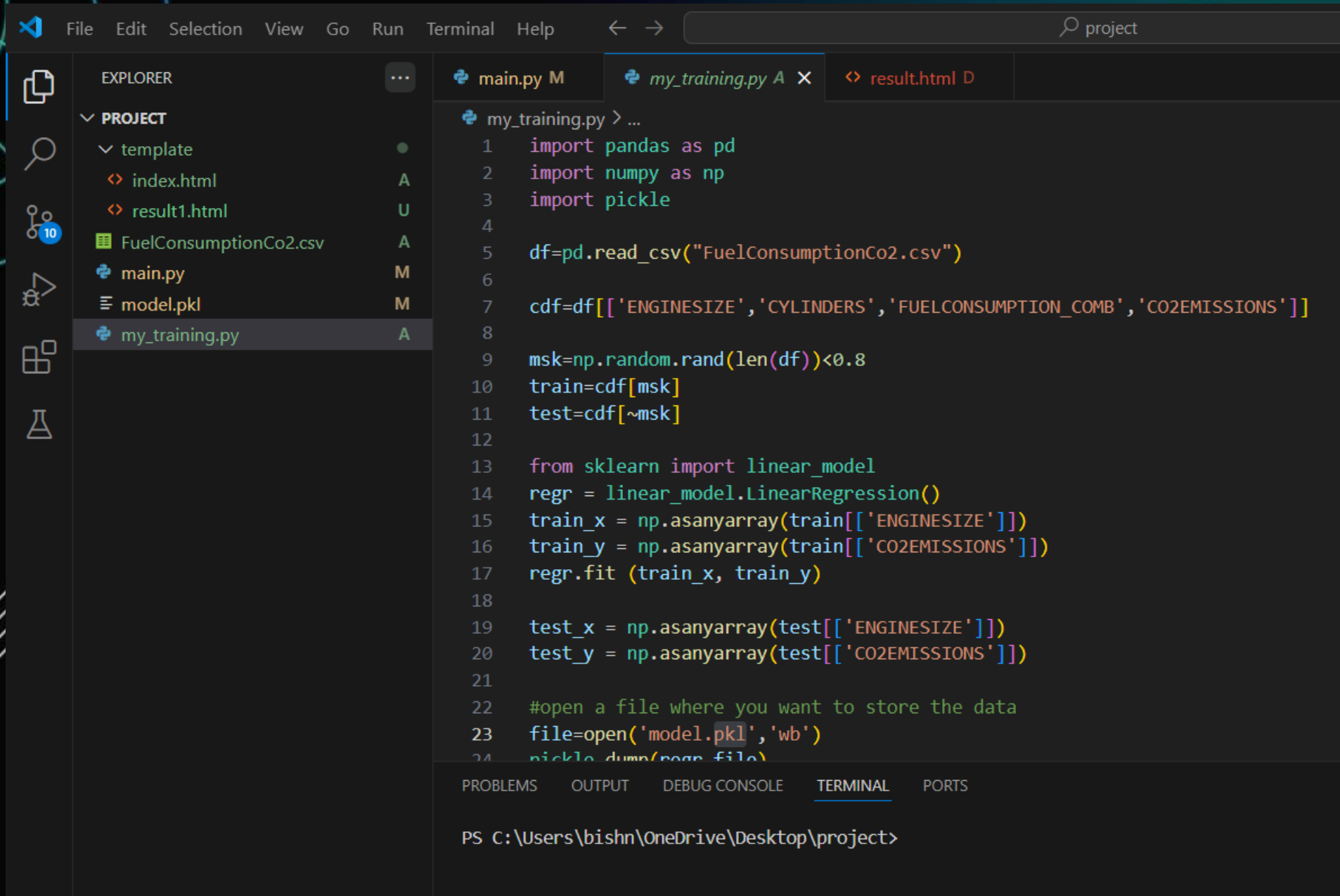
OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS

PS C:\Users\bishn\OneDrive\Desktop\project>



FileEditSelectionViewGoRunTerminalHelp< >project

EXPLORER

PROJECT

template

index.htmlA

result1.htmlU

FuelConsumptionCo2.csvA

main.pyM

model.pklM

my_training.pyA

main.pyM

index.htmlA

result.htmlD

template > index.html > html > body > div.container

1<!doctype html>

2<html lang="en">

3<head>

4<!-- Required meta tags -->

5<meta charset="utf-8">

6<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

7

8<!-- Bootstrap CSS -->

9<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/css/bootstrap.min.css">

10

11<title>Co2 Emission predictor</title>

12</head>

13<body>

14

15<nav class="navbar navbar-expand-lg navbar-light bg-light">

16Predict Co2 Emission

17<button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarSupportContent">

18

19</button>

20

21<div class="collapse navbar-collapse" id="navbarSupportContent">

22<ul class="navbar-nav mr-auto">

23<!--you can link the navbar to your wished page-->

24<li class="nav-item">

PROBLEMS

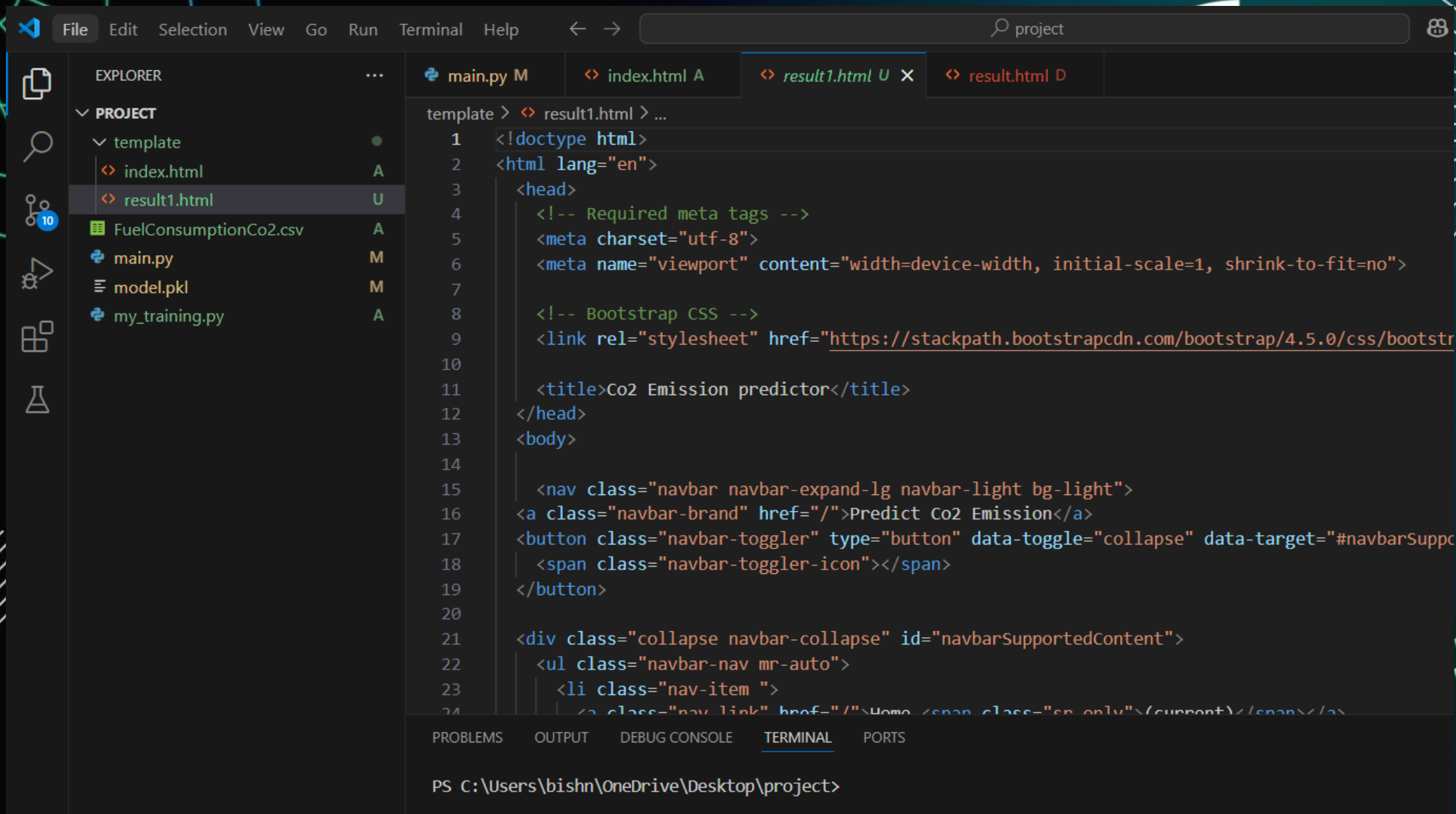
OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS

PS C:\Users\bishn\OneDrive\Desktop\project>



← → ↻ ⓘ 127.0.0.1:5000

Predict Co2 Emission [Home](#) [About](#) [Contact us](#)

Co2 Emission Predictor

Engine Size

Submit

← → ↻ ⓘ 127.0.0.1:5000

Predict Co2 Emission [Home](#) [About](#) [Contact us](#)

Co2 Emission Predictor

The Vehicle CO2 Emission is **519** g/km.

Go Back

CO2 Emission by Vehicles

Business Objective

- The fundamental goal here is to model the CO2 emissions as a function of several car engines features.

Data Set Details

The file contains the data for this example. Here the number of variables (columns) is 12, and the number of instances (rows) is 7385. In that way, this problem has the 12 following variables:

- make, car brand under study.
- model, the specific model of the car.
- vehicle_class, car body type of the car.
- engine_size, size of the car engine, in Litres.

