

TERMINAL CODE :

```
Microsoft Windows [Version 10.0.26100.3775]
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D:\College 6th Sem\DMA\Practicals\Prac_14>pip install -r
requirements.txt

Collecting flask==2.3.2 (from -r requirements.txt (line 1))
  Downloading Flask-2.3.2-py3-none-any.whl.metadata (3.7 kB)

Collecting scikit-learn==1.2.2 (from -r requirements.txt (line 2))
  Downloading scikit_learn-1.2.2-cp311-cp311-win_amd64.whl.metadata
(11 kB)

Collecting pandas==2.0.3 (from -r requirements.txt (line 3))
  Downloading pandas-2.0.3-cp311-cp311-win_amd64.whl.metadata (18
kB)

Collecting numpy==1.24.3 (from -r requirements.txt (line 4))
  Downloading numpy-1.24.3-cp311-cp311-win_amd64.whl.metadata (5.6
kB)

Collecting joblib==1.2.0 (from -r requirements.txt (line 5))
  Downloading joblib-1.2.0-py3-none-any.whl.metadata (5.3 kB)

Collecting gunicorn==20.1.0 (from -r requirements.txt (line 6))
  Downloading gunicorn-20.1.0-py3-none-any.whl.metadata (3.8 kB)

Collecting Werkzeug>=2.3.3 (from flask==2.3.2->-r requirements.txt
(line 1))
  Downloading werkzeug-3.1.3-py3-none-any.whl.metadata (3.7 kB)

Requirement already satisfied: Jinja2>=3.1.2 in
c:\users\divya\appdata\local\programs\python\python311\lib\site-
packages (from flask==2.3.2->-r requirements.txt (line 1)) (3.1.6)

Collecting itsdangerous>=2.1.2 (from flask==2.3.2->-r
requirements.txt (line 1))
  Downloading itsdangerous-2.2.0-py3-none-any.whl.metadata (1.9 kB)
```

```
Collecting click>=8.1.3 (from flask==2.3.2->-r requirements.txt
(line 1))

    Downloading click-8.1.8-py3-none-any.whl.metadata (2.3 kB)

Collecting blinker>=1.6.2 (from flask==2.3.2->-r requirements.txt
(line 1))

    Downloading blinker-1.9.0-py3-none-any.whl.metadata (1.6 kB)

Requirement already satisfied: scipy>=1.3.2 in
c:\users\divya\appdata\local\programs\python\python311\lib\site-
packages (from scikit-learn==1.2.2->-r requirements.txt (line 2))
(1.14.1)

Collecting threadpoolctl>=2.0.0 (from scikit-learn==1.2.2->-r
requirements.txt (line 2))

    Downloading threadpoolctl-3.6.0-py3-none-any.whl.metadata (13 kB)

Requirement already satisfied: python-dateutil>=2.8.2 in
c:\users\divya\appdata\local\programs\python\python311\lib\site-
packages (from pandas==2.0.3->-r requirements.txt (line 3))
(2.9.0.post0)

Requirement already satisfied: pytz>=2020.1 in
c:\users\divya\appdata\local\programs\python\python311\lib\site-
packages (from pandas==2.0.3->-r requirements.txt (line 3)) (2024.2)

Requirement already satisfied: tzdata>=2022.1 in
c:\users\divya\appdata\local\programs\python\python311\lib\site-
packages (from pandas==2.0.3->-r requirements.txt (line 3)) (2023.3)

Requirement already satisfied: setuptools>=3.0 in
c:\users\divya\appdata\local\programs\python\python311\lib\site-
packages (from gunicorn==20.1.0->-r requirements.txt (line 6))
(76.0.0)

Requirement already satisfied: colorama in
c:\users\divya\appdata\local\programs\python\python311\lib\site-
packages (from click>=8.1.3->flask==2.3.2->-r requirements.txt (line
1)) (0.4.6)

Requirement already satisfied: MarkupSafe>=2.0 in
c:\users\divya\appdata\local\programs\python\python311\lib\site-
packages (from Jinja2>=3.1.2->flask==2.3.2->-r requirements.txt
(line 1)) (3.0.2)
```

```
Requirement already satisfied: six>=1.5 in
c:\users\divya\appdata\local\programs\python\python311\lib\site-
packages (from python-dateutil>=2.8.2->pandas==2.0.3->-r
requirements.txt (line 3)) (1.17.0)

Downloading Flask-2.3.2-py3-none-any.whl (96 kB)
  ━━━━━━━━━━━━━━━━ 8.3/8.3 MB 1.5 MB/s eta
0:00:00

Downloading scikit_learn-1.2.2-cp311-cp311-win_amd64.whl (8.3 MB)
  ━━━━━━━━━━━━━━ 10.6/10.6 MB 1.6 MB/s
eta 0:00:00

Downloading pandas-2.0.3-cp311-cp311-win_amd64.whl (10.6 MB)
  ━━━━━━━━━━━━ 14.8/14.8 MB 2.2 MB/s
eta 0:00:00

Downloading numpy-1.24.3-cp311-cp311-win_amd64.whl (14.8 MB)
  ━━━━━━━━━━━━ 14.8/14.8 MB 2.2 MB/s
eta 0:00:00

Downloading joblib-1.2.0-py3-none-any.whl (297 kB)
Downloading gunicorn-20.1.0-py3-none-any.whl (79 kB)
Downloading blinker-1.9.0-py3-none-any.whl (8.5 kB)
Downloading click-8.1.8-py3-none-any.whl (98 kB)
Downloading itsdangerous-2.2.0-py3-none-any.whl (16 kB)
Downloading threadpoolctl-3.6.0-py3-none-any.whl (18 kB)
Downloading werkzeug-3.1.3-py3-none-any.whl (224 kB)

Installing collected packages: Werkzeug, threadpoolctl, numpy,
joblib, itsdangerous, gunicorn, click, blinker, pandas, flask,
scikit-learn

Attempting uninstall: numpy
  Found existing installation: numpy 1.25.0
  Uninstalling numpy-1.25.0:
    Successfully uninstalled numpy-1.25.0

Attempting uninstall: pandas
  Found existing installation: pandas 2.2.3
  Uninstalling pandas-2.2.3:
```

```
Successfully uninstalled pandas-2.2.3
```

```
Successfully installed Werkzeug-3.1.3 blinker-1.9.0 click-8.1.8
flask-2.3.2 gunicorn-20.1.0 itsdangerous-2.2.0 joblib-1.2.0 numpy-
1.24.3 pandas-2.0.3 scikit-learn-1.2.2 threadpoolctl-3.6.0
```

```
D:\College 6th Sem\DMA\Practicals\Prac_14>python train_model.py
```

```
Model trained and saved. R2 Score: 0.09
```

```
D:\College 6th Sem\DMA\Practicals\Prac_14>python app.py
```

```
* Serving Flask app 'app'
```

```
* Debug mode: on
```

```
WARNING: This is a development server. Do not use it in a production
deployment. Use a production WSGI server instead.
```

```
* Running on all addresses (0.0.0.0)
```

```
* Running on http://127.0.0.1:5000
```

```
* Running on http://192.168.220.13:5000
```

```
Press CTRL+C to quit
```

```
* Restarting with stat
```

```
* Debugger is active!
```

```
* Debugger PIN: 115-406-314
```

```
192.168.220.13 - - [22/Apr/2025 02:02:17] "GET / HTTP/1.1" 200 -
```

```
192.168.220.13 - - [22/Apr/2025 02:02:18] "GET /favicon.ico
HTTP/1.1" 404 -
```

```
192.168.220.13 - - [22/Apr/2025 02:03:19] "POST /predict HTTP/1.1"
200 -
```

```
192.168.220.13 - - [22/Apr/2025 02:04:16] "GET / HTTP/1.1" 200 -
```