DETECTING PARKINSON'S DISEASE USING MACHINE LEARNING

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Project Name	DETECTING PARKINSON'S DISEASE USING MACHINE LEARNING

INSTALLATION OF PACKAGES

STEP 1: Open Anaconda Command Prompt

STEP 2: Install sklearn packages

STEP 3: Install numpy packages

```
Anaconda Prompt (anaconda3)                                                    —    □    ×

(base) C:\Users\HP>pip install numpy
Requirement already satisfied: numpy in c:\users\hp\anaconda3\lib\site-packages (1.23.5)

(base) C:\Users\HP>
```

STEP 4: Install pandas packages

```
Anaconda Prompt (anaconda3)                                                    —    □    ×

(base) C:\Users\HP>pip install pandas
Collecting pandas
  Using cached pandas-1.5.1-cp39-cp39-win_amd64.whl (10.9 MB)
Requirement already satisfied: numpy>=1.20.3 in c:\users\hp\anaconda3\lib\site-packages (from pandas) (1.23.5)
Requirement already satisfied: pytz>=2020.1 in c:\users\hp\anaconda3\lib\site-packages (from pandas) (2021.3)
Requirement already satisfied: python-dateutil>=2.8.1 in c:\users\hp\anaconda3\lib\site-packages (from pandas) (2.8.2)
Requirement already satisfied: six>=1.5 in c:\users\hp\anaconda3\lib\site-packages (from python-dateutil>=2.8.1->pandas)
 (1.16.0)
Installing collected packages: pandas
Successfully installed pandas-1.5.1

(base) C:\Users\HP>
```

STEP 5: Install matplotlib packages


```
(base) C:\Users\HP>pip install matplotlib
Requirement already satisfied: matplotlib in c:\users\hp\anaconda3\lib\site-packages (3.5.1)
Requirement already satisfied: numpy>=1.17 in c:\users\hp\anaconda3\lib\site-packages (from matplotlib) (1.23.5)
Requirement already satisfied: cycler>=0.10 in c:\users\hp\anaconda3\lib\site-packages (from matplotlib) (0.11.0)
Requirement already satisfied: python-dateutil>=2.7 in c:\users\hp\anaconda3\lib\site-packages (from matplotlib) (2.8.2)

Requirement already satisfied: pillow>=6.2.0 in c:\users\hp\anaconda3\lib\site-packages (from matplotlib) (9.0.1)
Requirement already satisfied: pyparsing>=2.2.1 in c:\users\hp\anaconda3\lib\site-packages (from matplotlib) (3.0.4)
Requirement already satisfied: fonttools>=4.22.0 in c:\users\hp\anaconda3\lib\site-packages (from matplotlib) (4.25.0)
Requirement already satisfied: packaging>=20.0 in c:\users\hp\anaconda3\lib\site-packages (from matplotlib) (21.3)
Requirement already satisfied: kiwisolver>=1.0.1 in c:\users\hp\anaconda3\lib\site-packages (from matplotlib) (1.3.2)
Requirement already satisfied: six>=1.5 in c:\users\hp\anaconda3\lib\site-packages (from python-dateutil>=2.7->matplotli
b) (1.16.0)

(base) C:\Users\HP>
```

STEP 6: Install seaborn packages


```
(base) C:\Users\HP>pip install seaborn
Requirement already satisfied: seaborn in c:\users\hp\anaconda3\lib\site-packages (0.11.2)
Requirement already satisfied: numpy>=1.15 in c:\users\hp\anaconda3\lib\site-packages (from seaborn) (1.23.5)
Requirement already satisfied: pandas>=0.23 in c:\users\hp\anaconda3\lib\site-packages (from seaborn) (1.5.1)
Requirement already satisfied: scipy>=1.0 in c:\users\hp\anaconda3\lib\site-packages (from seaborn) (1.7.3)
Requirement already satisfied: matplotlib>=2.2 in c:\users\hp\anaconda3\lib\site-packages (from seaborn) (3.5.1)
Requirement already satisfied: packaging>=20.0 in c:\users\hp\anaconda3\lib\site-packages (from matplotlib>=2.2->seaborn
) (21.3)
Requirement already satisfied: fonttools>=4.22.0 in c:\users\hp\anaconda3\lib\site-packages (from matplotlib>=2.2->seabo
rn) (4.25.0)
Requirement already satisfied: cycler>=0.10 in c:\users\hp\anaconda3\lib\site-packages (from matplotlib>=2.2->seaborn) (
0.11.0)
Requirement already satisfied: kiwisolver>=1.0.1 in c:\users\hp\anaconda3\lib\site-packages (from matplotlib>=2.2->seabo
rn) (1.3.2)
Requirement already satisfied: python-dateutil>=2.7 in c:\users\hp\anaconda3\lib\site-packages (from matplotlib>=2.2->se
aborn) (2.8.2)
Requirement already satisfied: pillow>=6.2.0 in c:\users\hp\anaconda3\lib\site-packages (from matplotlib>=2.2->seaborn)
(9.0.1)
Requirement already satisfied: pyparsing>=2.2.1 in c:\users\hp\anaconda3\lib\site-packages (from matplotlib>=2.2->seabor
n) (3.0.4)
Requirement already satisfied: pytz>=2020.1 in c:\users\hp\anaconda3\lib\site-packages (from pandas>=0.23->seaborn) (202
1.3)
Requirement already satisfied: six>=1.5 in c:\users\hp\anaconda3\lib\site-packages (from python-dateutil>=2.7->matplotli
b>=2.2->seaborn) (1.16.0)
Collecting numpy>=1.15
  Downloading numpy-1.22.4-cp39-cp39-win_amd64.whl (14.7 MB)
       |                              | 14.7 MB 2.2 MB/s
Installing collected packages: numpy
  Attempting uninstall: numpy
```

STEP 7: Install tensorflow packages

```
Select Anaconda Prompt (anaconda3)                                          —    □    ×

(base) C:\Users\HP>pip install tensorflow
Collecting tensorflow
  Downloading tensorflow-2.11.0-cp39-cp39-win_amd64.whl (1.9 kB)
Collecting tensorflow-intel==2.11.0
  Downloading tensorflow_intel-2.11.0-cp39-cp39-win_amd64.whl (266.3 MB)
     |████████████████████████████████| 266.3 MB 54 kB/s
Requirement already satisfied: packaging in c:\users\hp\anaconda3\lib\site-packages (from tensorflow-intel==2.11.0->tens
orflow) (21.3)
Requirement already satisfied: h5py>=2.9.0 in c:\users\hp\anaconda3\lib\site-packages (from tensorflow-intel==2.11.0->te
nsorflow) (3.6.0)
Requirement already satisfied: grpcio<2.0,>=1.24.3 in c:\users\hp\anaconda3\lib\site-packages (from tensorflow-intel==2.
11.0->tensorflow) (1.42.0)
Collecting opt-einsum>=2.3.2
  Downloading opt_einsum-3.3.0-py3-none-any.whl (65 kB)
     |████████████████████████████████| 65 kB 709 kB/s
Collecting tensorflow-estimator<2.12,>=2.11.0
  Downloading tensorflow_estimator-2.11.0-py2.py3-none-any.whl (439 kB)
     |████████████████████████████████| 439 kB 1.3 MB/s
Collecting tensorboard<2.12,>=2.11
  Downloading tensorboard-2.11.0-py3-none-any.whl (6.0 MB)
     |████████████████████████████████| 6.0 MB 1.3 MB/s
Collecting flatbuffers>=2.0
  Downloading flatbuffers-22.10.26-py2.py3-none-any.whl (26 kB)
Requirement already satisfied: wrapt>=1.11.0 in c:\users\hp\anaconda3\lib\site-packages (from tensorflow-intel==2.11.0->
tensorflow) (1.12.1)
Requirement already satisfied: setuptools in c:\users\hp\anaconda3\lib\site-packages (from tensorflow-intel==2.11.0->ten
sorflow) (61.2.0)
Collecting libclang>=13.0.0
  Downloading libclang-14.0.6-py2.py3-none-win_amd64.whl (14.2 MB)
```

STEP 8: Install keras packages

```
Anaconda Prompt (anaconda3)                                                 —    □    ×

(base) C:\Users\HP>pip install keras
Requirement already satisfied: keras in c:\users\hp\anaconda3\lib\site-packages (2.11.0)

(base) C:\Users\HP>
```

STEP 9: Install OpenCV packages


```
Anaconda Prompt (anaconda3)                                                    —    □    ×

(base) C:\Users\HP>pip install opencv-python
Collecting opencv-python
  Downloading opencv_python-4.6.0.66-cp36-abi3-win_amd64.whl (35.6 MB)
     |                                      | 35.6 MB 2.2 MB/s
Requirement already satisfied: numpy>=1.19.3 in c:\users\hp\anaconda3\lib\site-packages (from opencv-python) (1.22.4)
Installing collected packages: opencv-python
Successfully installed opencv-python-4.6.0.66

(base) C:\Users\HP>
```

STEP 10: Install Flask packages


```
Anaconda Prompt (anaconda3)                                                    —    □    ×

(base) C:\Users\HP>pip install flask
Requirement already satisfied: flask in c:\users\hp\anaconda3\lib\site-packages (1.1.2)
Requirement already satisfied: Jinja2>=2.10.1 in c:\users\hp\anaconda3\lib\site-packages (from flask) (2.11.3)
Requirement already satisfied: Werkzeug>=0.15 in c:\users\hp\anaconda3\lib\site-packages (from flask) (2.0.3)
Requirement already satisfied: click>=5.1 in c:\users\hp\anaconda3\lib\site-packages (from flask) (8.0.4)
Requirement already satisfied: itsdangerous>=0.24 in c:\users\hp\anaconda3\lib\site-packages (from flask) (2.0.1)
Requirement already satisfied: colorama in c:\users\hp\anaconda3\lib\site-packages (from click>=5.1->flask) (0.4.4)
Requirement already satisfied: MarkupSafe>=0.23 in c:\users\hp\anaconda3\lib\site-packages (from Jinja2>=2.10.1->flask)
(2.0.1)

(base) C:\Users\HP>
```