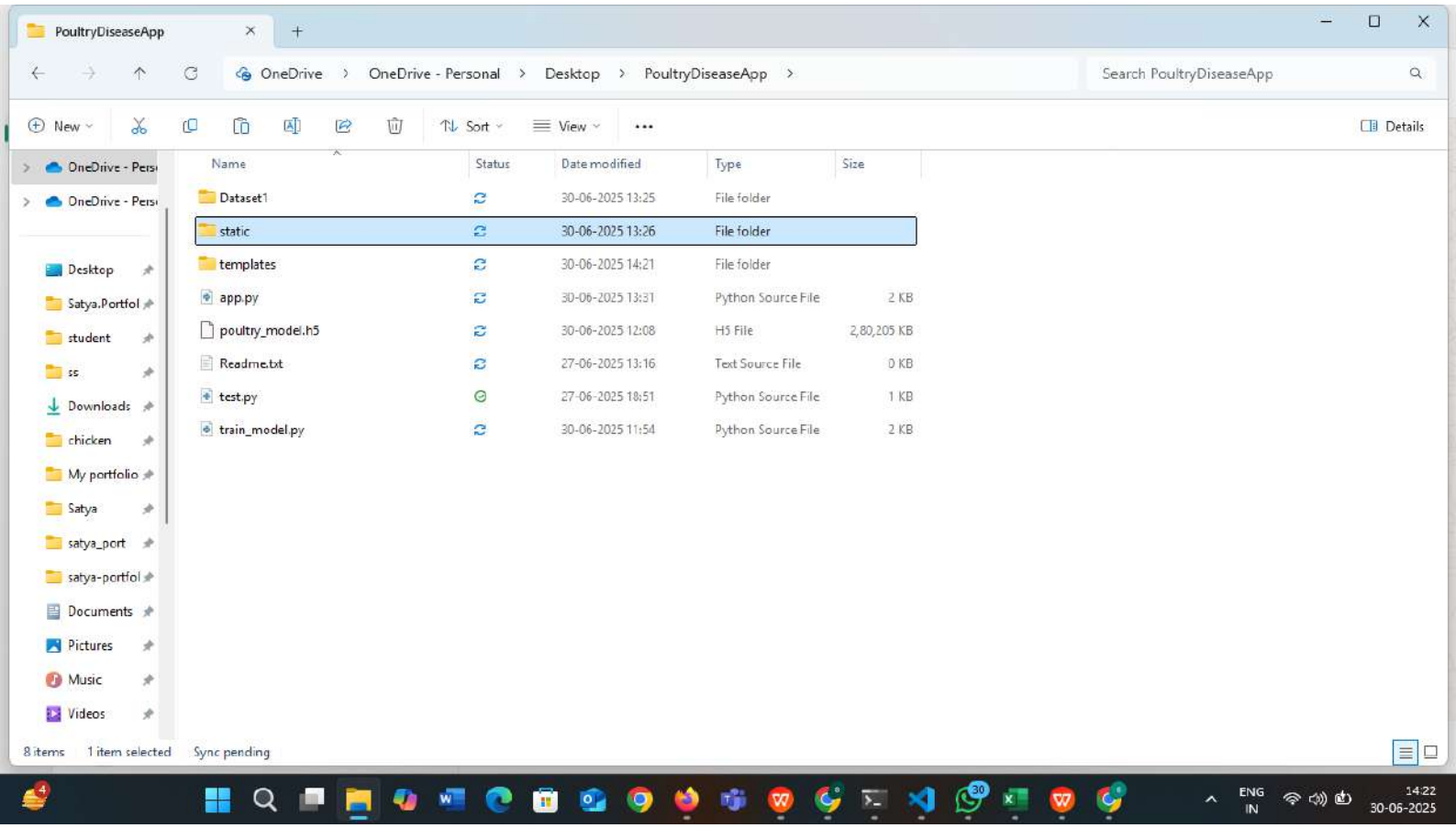
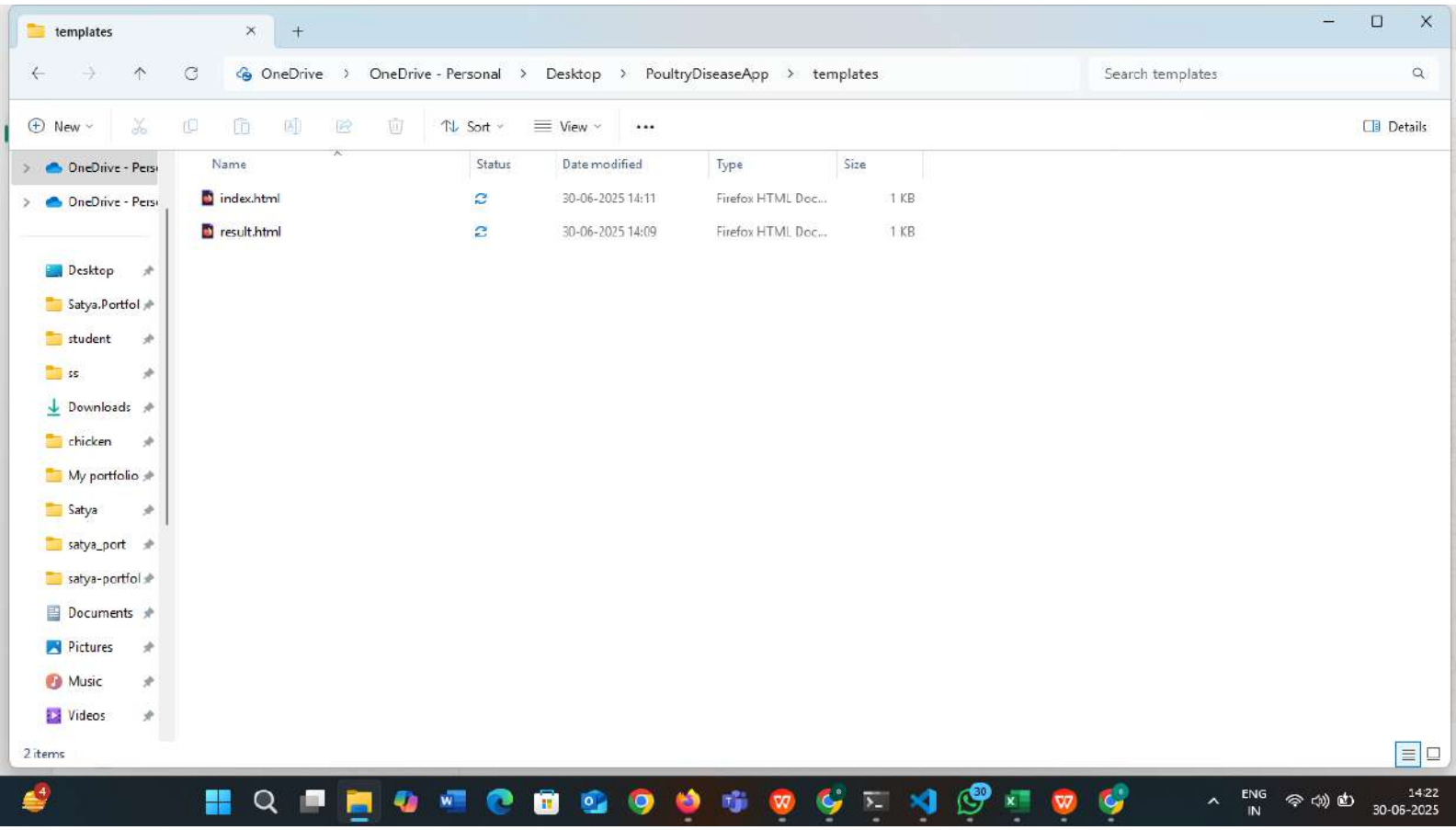
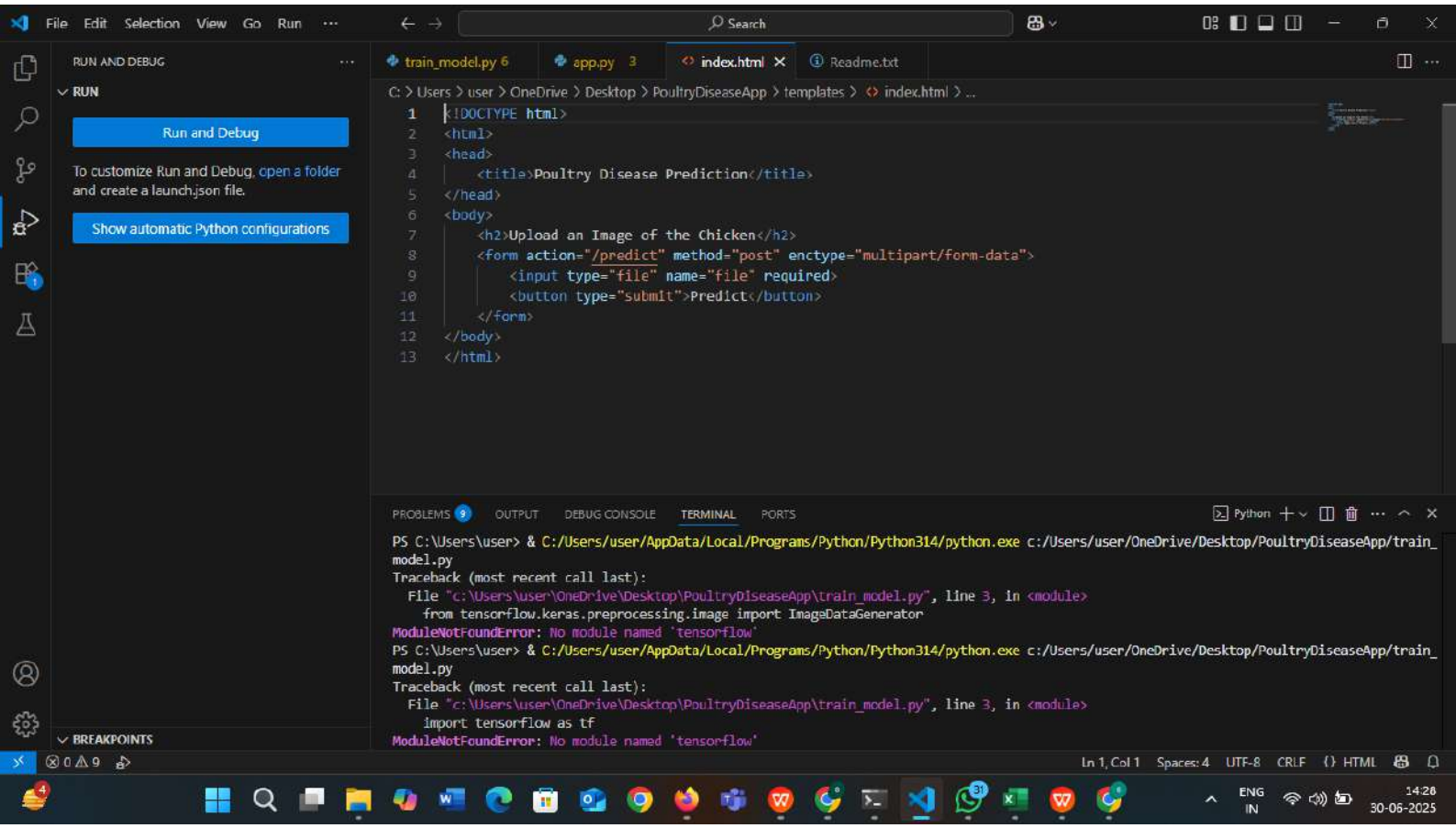
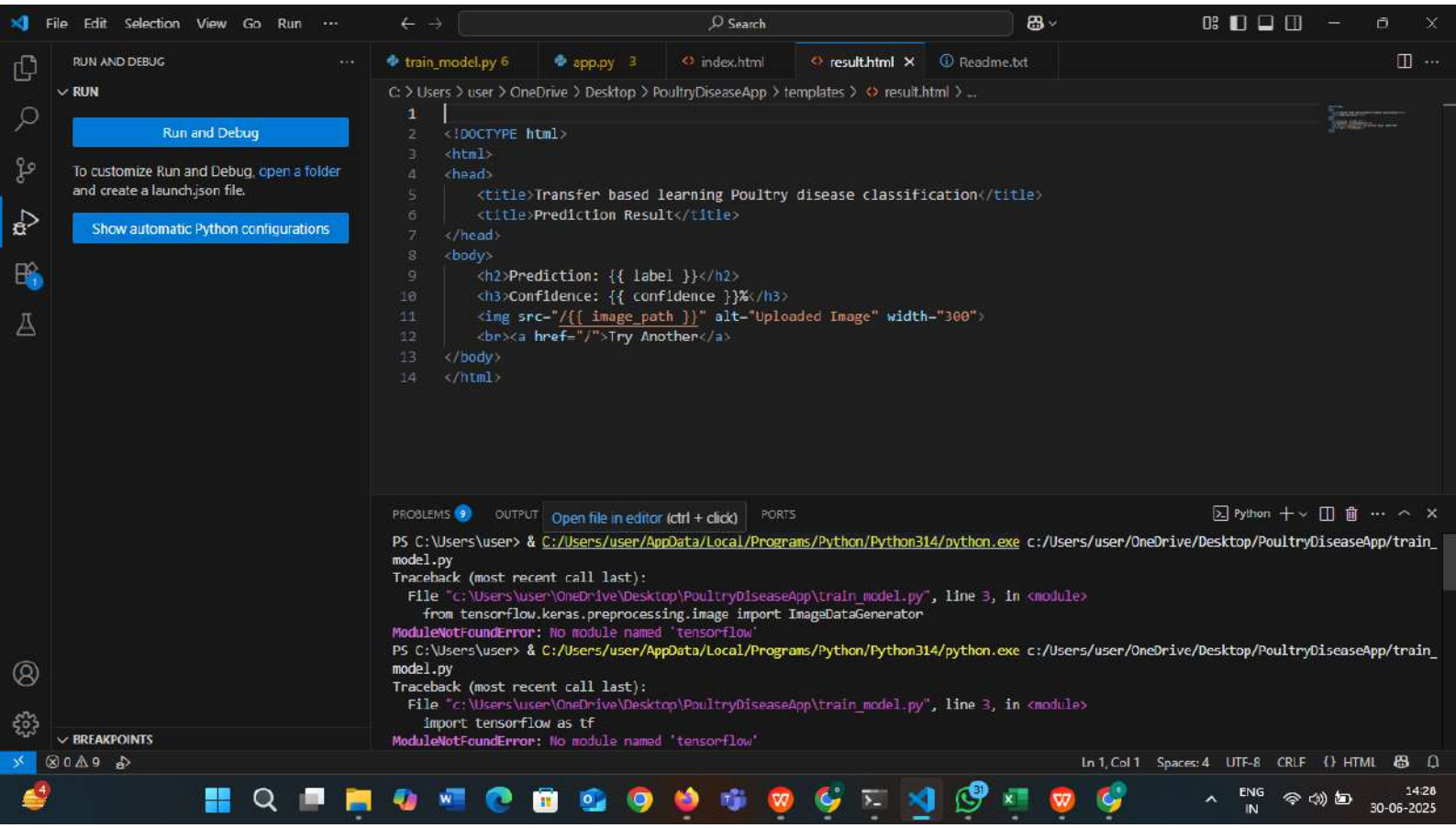
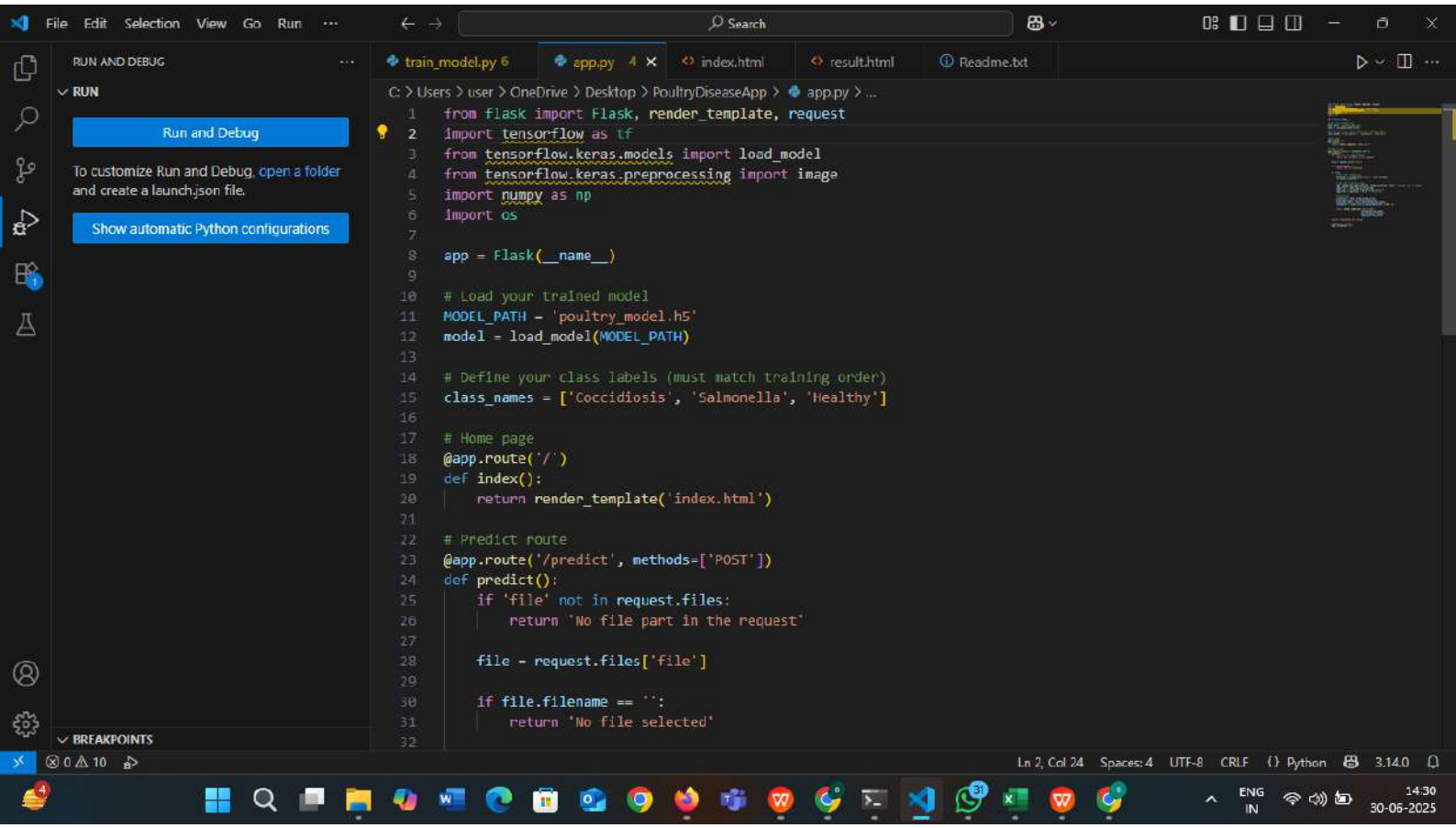

PoultryDiseaseApp
OneDrive
OneDrive - Personal
Desktop
PoultryDiseaseApp
Search PoultryDiseaseApp
New
Sort
View
Details
Name
Status
Date modified
Type
Size
Dataset1
30-06-2025 13:25
File folder
static
30-06-2025 13:26
File folder
templates
30-06-2025 14:21
File folder
app.py
30-06-2025 13:31
Python Source File
2 KB
poultry_model.h5
30-06-2025 12:08
H5 File
2,80,205 KB
Readme.txt
27-06-2025 13:16
Text Source File
0 KB
test.py
27-06-2025 18:51
Python Source File
1 KB
train_model.py
30-06-2025 11:54
Python Source File
2 KB
Desktop
Satya.Portfol
student
ss
Downloads
chicken
My portfolio
Satya
satya_port
satya-portfol
Documents
Pictures
Music
Videos
8 items
1 item selected
Sync pending
ENG
IN
14:22
30-06-2025

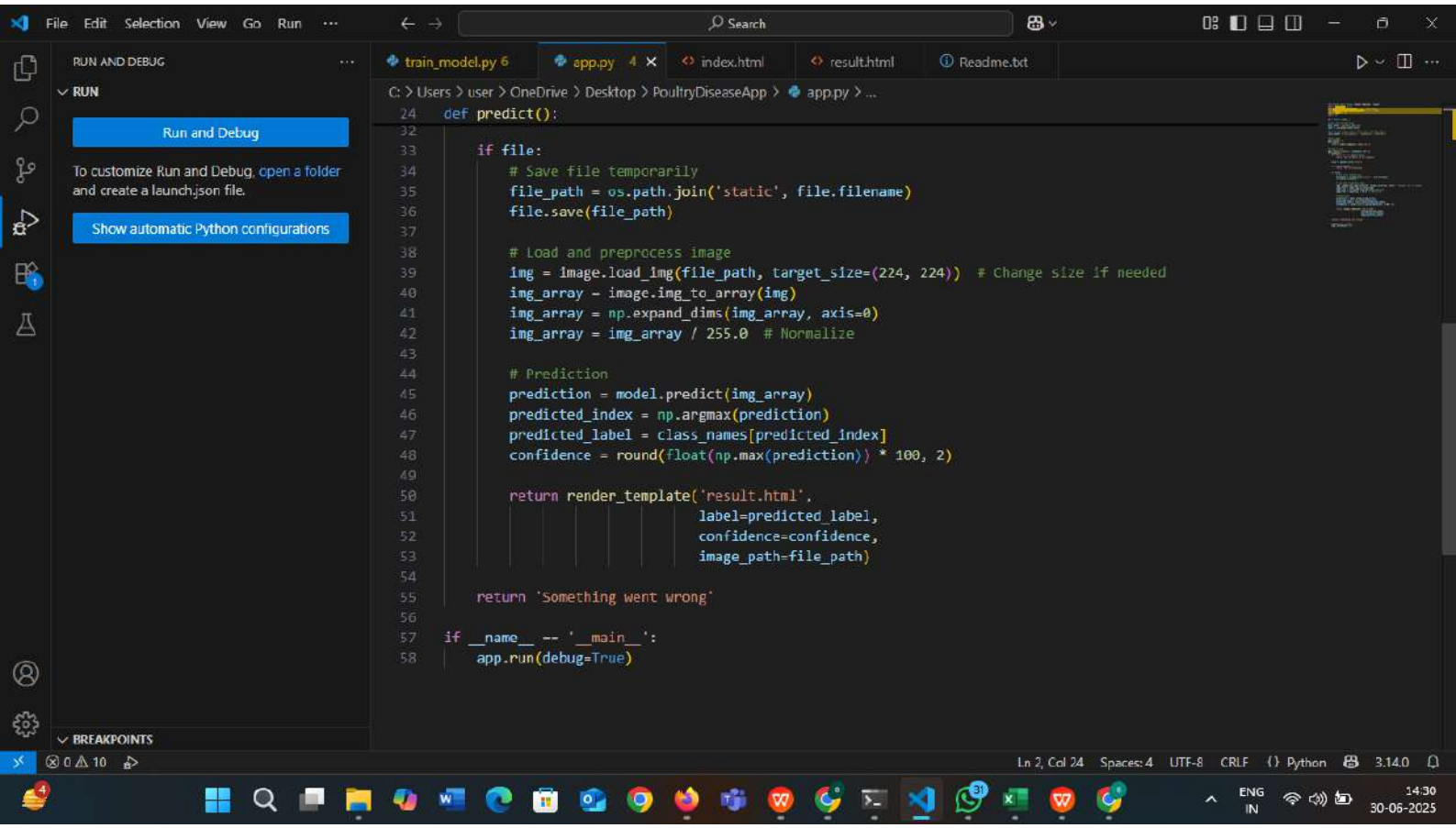

templates
OneDrive
OneDrive - Personal
Desktop
PoultryDiseaseApp
templates
Search templates
New
Sort
View
Details
Name
Status
Date modified
Type
Size
index.html
30-06-2025 14:11
Firefox HTML Doc...
1 KB
result.html
30-06-2025 14:09
Firefox HTML Doc...
1 KB
Desktop
Satya.Portfol
student
ss
Downloads
chicken
My portfolio
Satya
satya_port
satya-portfol
Documents
Pictures
Music
Videos
2 items
ENG
IN
14:22
30-06-2025

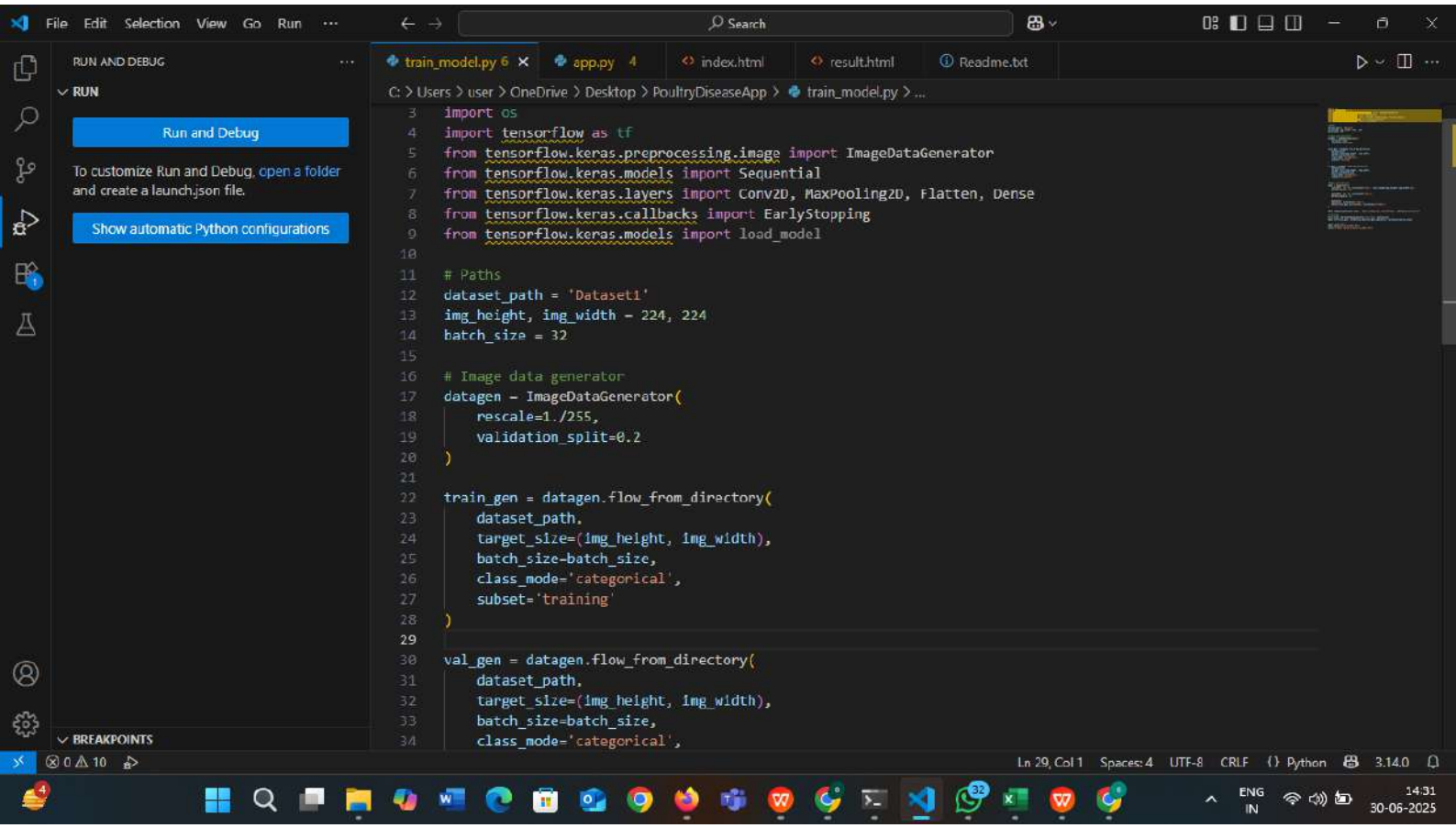

File Edit Selection View Go Run
Search
RUN AND DEBUG
RUN
Run and Debug
To customize Run and Debug, open a folder and create a launch.json file.
Show automatic Python configurations
BREAKPOINTS
train_model.py 6
app.py 3
index.html
Readme.txt
C: > Users > user > OneDrive > Desktop > PoultryDiseaseApp > templates > index.html > ...
<!DOCTYPE html>
<html>
<head>
<title>Poultry Disease Prediction</title>
</head>
<body>
<h2>Upload an Image of the Chicken</h2>
<form action="/predict" method="post" enctype="multipart/form-data">
<input type="file" name="file" required>
<button type="submit">Predict</button>
</form>
</body>
</html>
PROBLEMS 9
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
Python
PS C:\Users\user> & C:/Users/user/AppData/Local/Programs/Python/Python314/python.exe c:/Users/user/OneDrive/Desktop/PoultryDiseaseApp/train_model.py
Traceback (most recent call last):
File "c:\Users\user\OneDrive\Desktop\PoultryDiseaseApp\train_model.py", line 3, in <module>
from tensorflow.keras.preprocessing.image import ImageDataGenerator
ModuleNotFoundError: No module named 'tensorflow'
PS C:\Users\user> & C:/Users/user/AppData/Local/Programs/Python/Python314/python.exe c:/Users/user/OneDrive/Desktop/PoultryDiseaseApp/train_model.py
Traceback (most recent call last):
File "c:\Users\user\OneDrive\Desktop\PoultryDiseaseApp\train_model.py", line 3, in <module>
import tensorflow as tf
ModuleNotFoundError: No module named 'tensorflow'
Ln 1, Col 1
Spaces: 4
UTF-8
CRLF
HTML
ENG
IN
14:28
30-06-2025

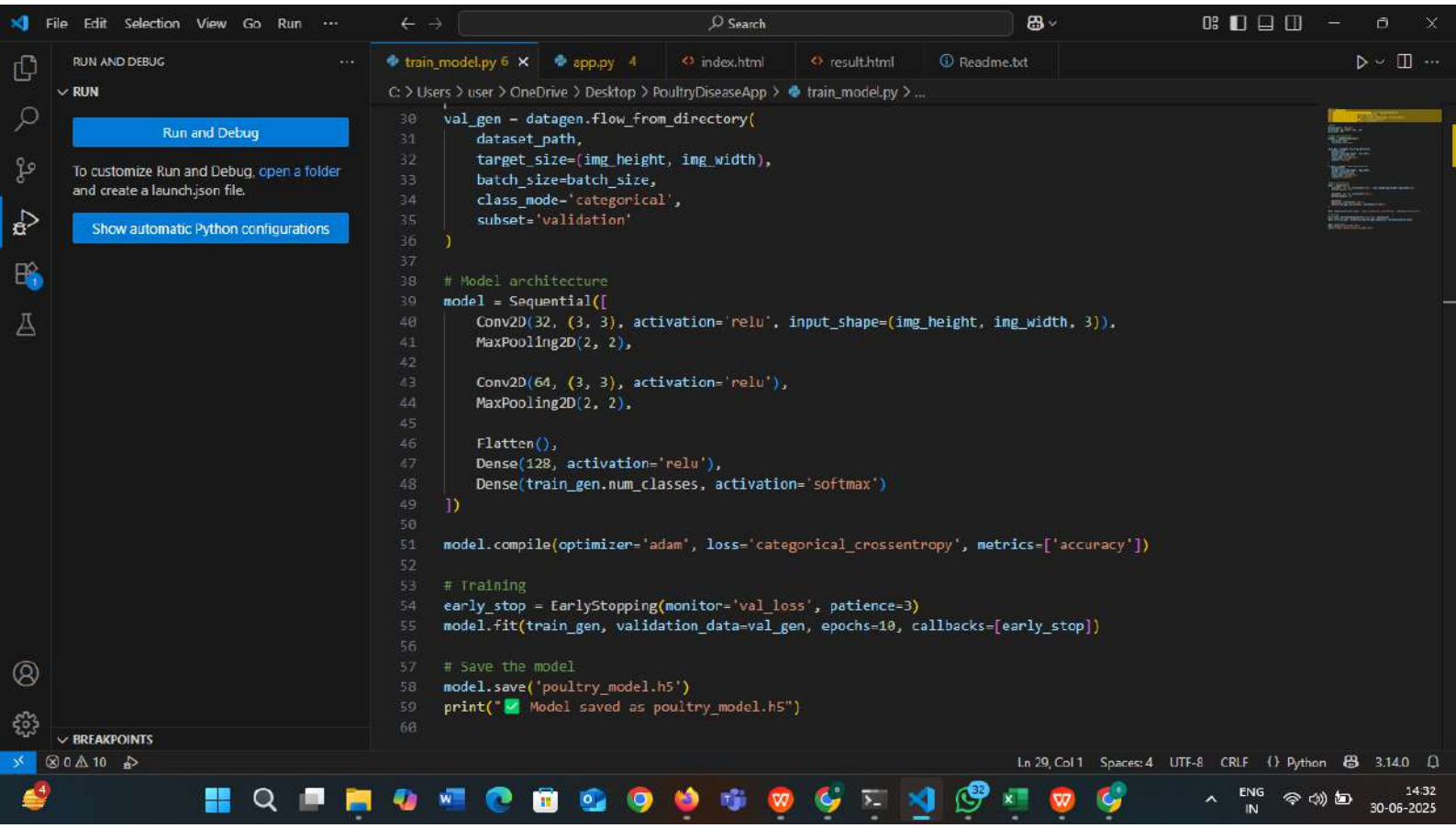

File Edit Selection View Go Run
Search
RUN AND DEBUG
RUN
Run and Debug
To customize Run and Debug, open a folder and create a launch.json file.
Show automatic Python configurations
BREAKPOINTS
train_model.py 6
app.py 3
index.html
result.html
Readme.txt
C: > Users > user > OneDrive > Desktop > PoultryDiseaseApp > templates > result.html > ...
1
<!DOCTYPE html>
<html>
<head>
<title>Transfer based learning Poultry disease classification</title>
<title>Prediction Result</title>
</head>
<body>
<h2>Prediction: {{ label }}</h2>
<h3>Confidence: {{ confidence }}%</h3>
<img src="/{{ image_path }}" alt="Uploaded Image" width="300">

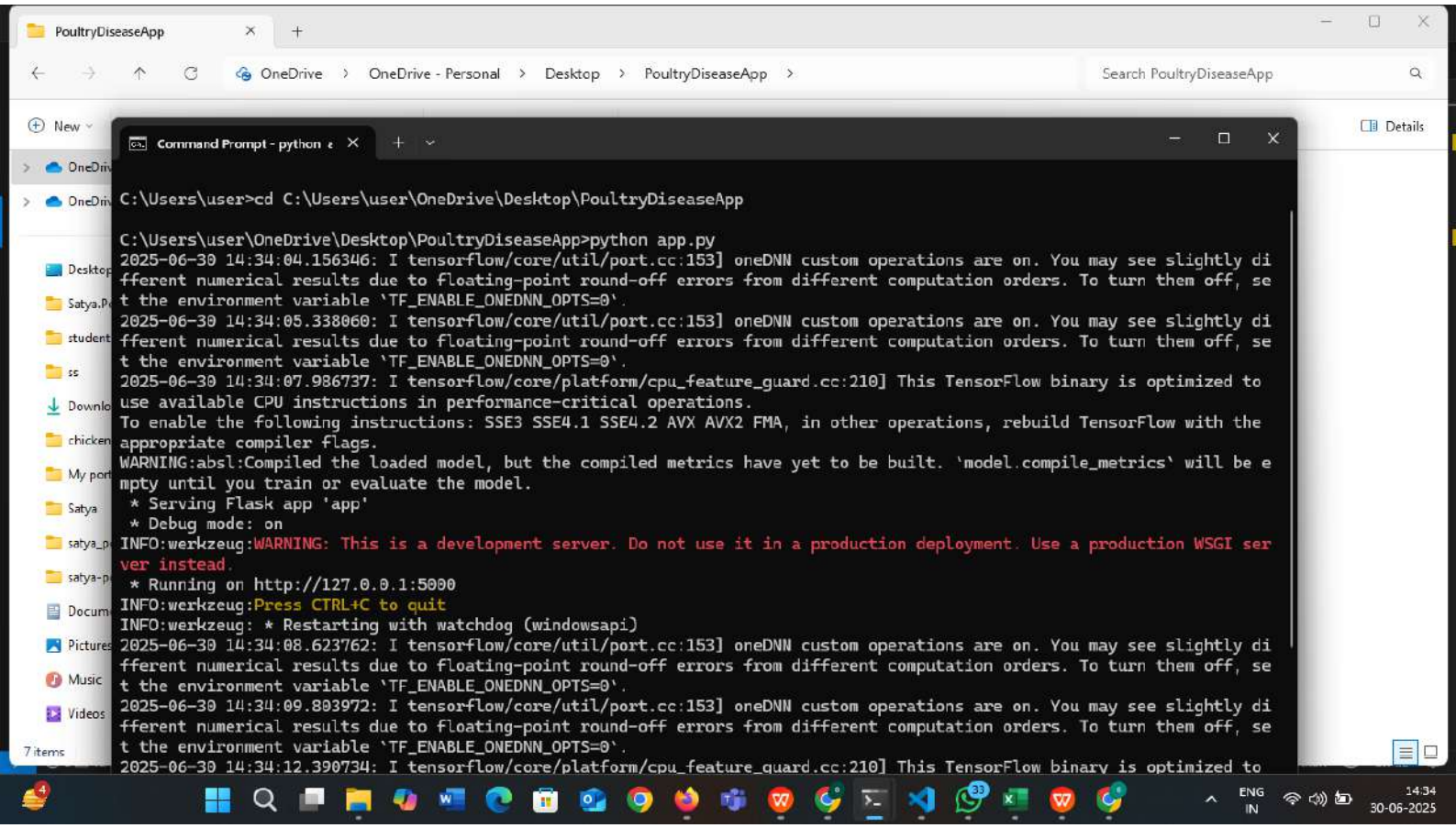
Try Another
</body>
</html>
PROBLEMS 9
OUTPUT
Open file in editor (ctrl + click)
PORTS
Python
PS C:\Users\user> & C:/Users/user/AppData/Local/Programs/Python/Python314/python.exe c:/Users/user/OneDrive/Desktop/PoultryDiseaseApp/train_model.py
Traceback (most recent call last):
File "c:\Users\user\OneDrive\Desktop\PoultryDiseaseApp\train_model.py", line 3, in <module>
from tensorflow.keras.preprocessing.image import ImageDataGenerator
ModuleNotFoundError: No module named 'tensorflow'
PS C:\Users\user> & C:/Users/user/AppData/Local/Programs/Python/Python314/python.exe c:/Users/user/OneDrive/Desktop/PoultryDiseaseApp/train_model.py
Traceback (most recent call last):
File "c:\Users\user\OneDrive\Desktop\PoultryDiseaseApp\train_model.py", line 3, in <module>
import tensorflow as tf
ModuleNotFoundError: No module named 'tensorflow'
Ln 1, Col 1
Spaces: 4
UTF-8
CRLF
HTML
ENG
IN
14:28
30-06-2025

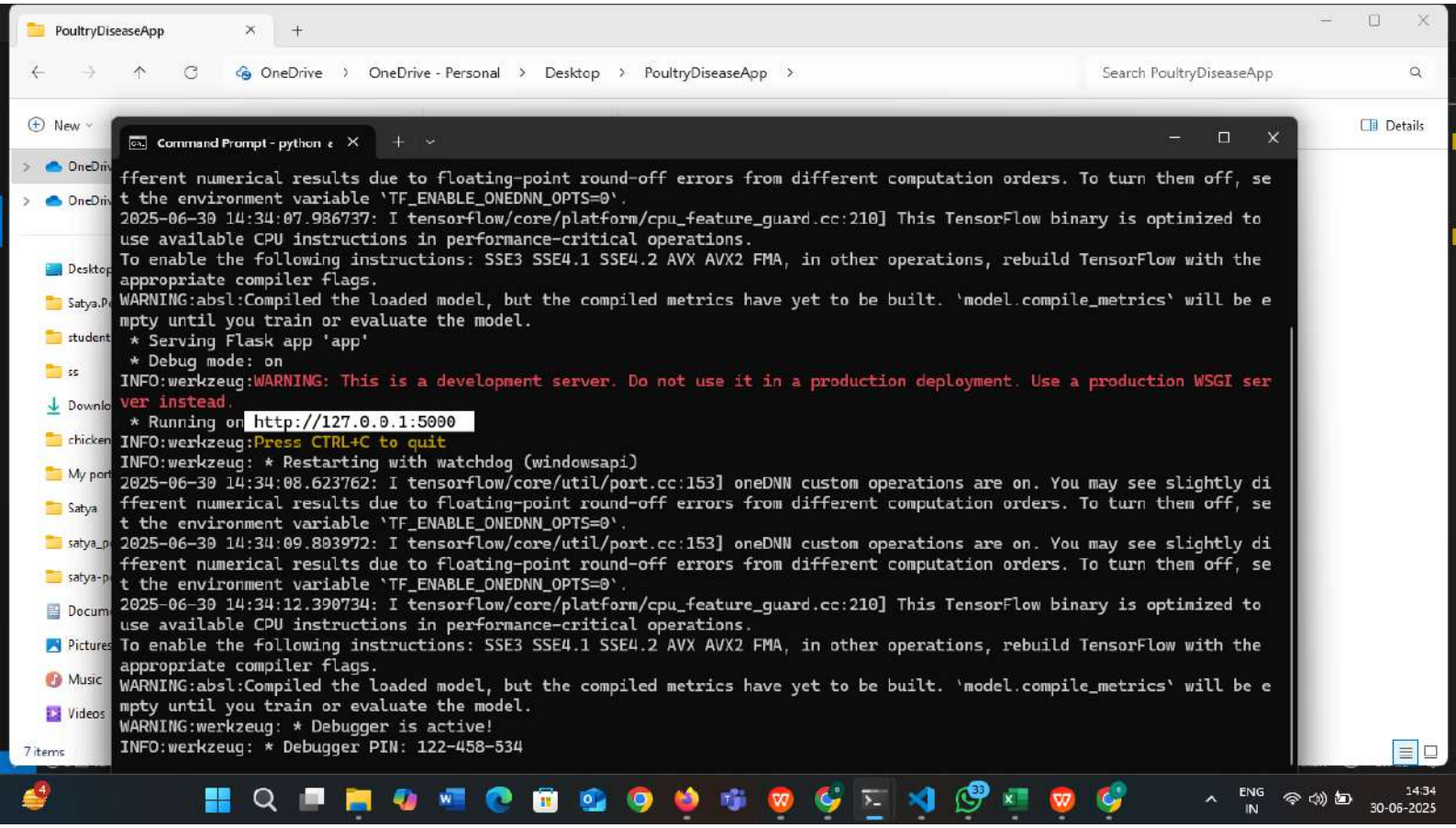

File Edit Selection View Go Run
Search
RUN AND DEBUG
RUN
Run and Debug
To customize Run and Debug, open a folder and create a launch.json file.
Show automatic Python configurations
BREAKPOINTS
train_model.py 6
app.py 4
index.html
result.html
Readme.txt
C: > Users > user > OneDrive > Desktop > PoultryDiseaseApp > app.py > ...
from flask import Flask, render_template, request
import tensorflow as tf
from tensorflow.keras.models import load_model
from tensorflow.keras.preprocessing import image
import numpy as np
import os
app = Flask(__name__)
# Load your trained model
MODEL_PATH = 'poultry_model.h5'
model = load_model(MODEL_PATH)
# Define your class labels (must match training order)
class_names = ['Coccidiosis', 'Salmonella', 'Healthy']
# Home page
@app.route('/')
def index():
return render_template('index.html')
Predict route
@app.route('/predict', methods=['POST'])
def predict():
if 'file' not in request.files:
return 'No file part in the request'
file = request.files['file']
if file.filename == '':
return 'No file selected'
Ln 2, Col 24 Spaces: 4 UTF-8 CRLF Python 3.14.0
ENG IN
14:30
30-05-2025


File Edit Selection View Go Run
Search
RUN AND DEBUG
RUN
Run and Debug
To customize Run and Debug, open a folder and create a launch.json file.
Show automatic Python configurations
BREAKPOINTS
train_model.py 6
app.py 4
index.html
result.html
Readme.txt
C: > Users > user > OneDrive > Desktop > PoultryDiseaseApp > app.py > ...
def predict():
if file:
# Save file temporarily
file_path = os.path.join('static', file.filename)
file.save(file_path)
# Load and preprocess image
img = image.load_img(file_path, target_size=(224, 224)) # Change size if needed
img_array = image.img_to_array(img)
img_array = np.expand_dims(img_array, axis=0)
img_array = img_array / 255.0 # Normalize
# Prediction
prediction = model.predict(img_array)
predicted_index = np.argmax(prediction)
predicted_label = class_names[predicted_index]
confidence = round(float(np.max(prediction)) * 100, 2)
return render_template('result.html',
label=predicted_label,
confidence=confidence,
image_path=file_path)
return 'Something went wrong'
if __name__ == '__main__':
app.run(debug=True)
Ln 2, Col 24 Spaces: 4 UTF-8 CRLF Python 3.14.0
ENG IN
14:30
30-05-2025


File Edit Selection View Go Run
Search
RUN AND DEBUG
RUN
Run and Debug
To customize Run and Debug, open a folder and create a launch.json file.
Show automatic Python configurations
BREAKPOINTS
train_model.py 6
app.py 4
index.html
result.html
Readme.txt
C: > Users > user > OneDrive > Desktop > PoultryDiseaseApp > train_model.py > ...
import os
import tensorflow as tf
from tensorflow.keras.preprocessing.image import ImageDataGenerator
from tensorflow.keras.models import Sequential
from tensorflow.keras.layers import Conv2D, MaxPooling2D, Flatten, Dense
from tensorflow.keras.callbacks import EarlyStopping
from tensorflow.keras.models import load_model
# Paths
dataset_path = 'Dataset1'
img_height, img_width = 224, 224
batch_size = 32
# Image data generator
datagen = ImageDataGenerator(
rescale=1./255,
validation_split=0.2
)
train_gen = datagen.flow_from_directory(
dataset_path,
target_size=(img_height, img_width),
batch_size=batch_size,
class_mode='categorical',
subset='training'
)
val_gen = datagen.flow_from_directory(
dataset_path,
target_size=(img_height, img_width),
batch_size=batch_size,
class_mode='categorical',
Ln 29, Col 1 Spaces: 4 UTF-8 CRLF Python 3.14.0
ENG IN
14:31
30-05-2025


File Edit Selection View Go Run
Search
RUN AND DEBUG
RUN
Run and Debug
To customize Run and Debug, open a folder and create a launch.json file.
Show automatic Python configurations
BREAKPOINTS
train_model.py 6
app.py 4
index.html
result.html
Readme.txt
C: > Users > user > OneDrive > Desktop > PoultryDiseaseApp > train_model.py > ...
val_gen = datagen.flow_from_directory(
dataset_path,
target_size=(img_height, img_width),
batch_size=batch_size,
class_mode='categorical',
subset='validation'
)
# Model architecture
model = Sequential([
Conv2D(32, (3, 3), activation='relu', input_shape=(img_height, img_width, 3)),
MaxPooling2D(2, 2),
Conv2D(64, (3, 3), activation='relu'),
MaxPooling2D(2, 2),
Flatten(),
Dense(128, activation='relu'),
Dense(train_gen.num_classes, activation='softmax')
])
model.compile(optimizer='adam', loss='categorical_crossentropy', metrics=['accuracy'])
# Training
early_stop = EarlyStopping(monitor='val_loss', patience=3)
model.fit(train_gen, validation_data=val_gen, epochs=10, callbacks=[early_stop])
# Save the model
model.save('poultry_model.h5')
print("✅ Model saved as poultry_model.h5")
Ln 29, Col 1 Spaces: 4 UTF-8 CRLF Python 3.14.0
ENG IN
14:32
30-05-2025


PoultryDiseaseApp
OneDrive
OneDrive - Personal
Desktop
PoultryDiseaseApp
Search PoultryDiseaseApp
New
Details
Command Prompt - python
C:\Users\user>cd C:\Users\user\OneDrive\Desktop\PoultryDiseaseApp
C:\Users\user\OneDrive\Desktop\PoultryDiseaseApp>python app.py
2025-06-30 14:34:04.156346: I tensorflow/core/util/port.cc:153] oneDNN custom operations are on. You may see slightly different numerical results due to floating-point round-off errors from different computation orders. To turn them off, set the environment variable 'TF_ENABLE_ONEDNN_OPTS=0'.
2025-06-30 14:34:05.338060: I tensorflow/core/util/port.cc:153] oneDNN custom operations are on. You may see slightly different numerical results due to floating-point round-off errors from different computation orders. To turn them off, set the environment variable 'TF_ENABLE_ONEDNN_OPTS=0'.
2025-06-30 14:34:07.986737: I tensorflow/core/platform/cpu_feature_guard.cc:210] This TensorFlow binary is optimized to use available CPU instructions in performance-critical operations.
To enable the following instructions: SSE3 SSE4.1 SSE4.2 AVX AVX2 FMA, in other operations, rebuild TensorFlow with the appropriate compiler flags.
WARNING:absl:Compiled the loaded model, but the compiled metrics have yet to be built. `model.compile_metrics` will be empty until you train or evaluate the model.
* Serving Flask app 'app'
* Debug mode: on
INFO:werkzeug:WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on http://127.0.0.1:5000
INFO:werkzeug:Press CTRL+C to quit
INFO:werkzeug: * Restarting with watchdog (windowsapi)
2025-06-30 14:34:08.623762: I tensorflow/core/util/port.cc:153] oneDNN custom operations are on. You may see slightly different numerical results due to floating-point round-off errors from different computation orders. To turn them off, set the environment variable 'TF_ENABLE_ONEDNN_OPTS=0'.
2025-06-30 14:34:09.803972: I tensorflow/core/util/port.cc:153] oneDNN custom operations are on. You may see slightly different numerical results due to floating-point round-off errors from different computation orders. To turn them off, set the environment variable 'TF_ENABLE_ONEDNN_OPTS=0'.
2025-06-30 14:34:12.390734: I tensorflow/core/platform/cpu_feature_guard.cc:210] This TensorFlow binary is optimized to
7 items
ENG
IN
14:34
30-06-2025


PoultryDiseaseApp
OneDrive
OneDrive - Personal
Desktop
PoultryDiseaseApp
Search PoultryDiseaseApp
New
Details
Command Prompt - python
fferent numerical results due to floating-point round-off errors from different computation orders. To turn them off, se
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2025-06-30 14:34:07.986737: I tensorflow/core/platform/cpu_feature_guard.cc:210] This TensorFlow binary is optimized to
use available CPU instructions in performance-critical operations.
To enable the following instructions: SSE3 SSE4.1 SSE4.2 AVX AVX2 FMA, in other operations, rebuild TensorFlow with the
appropriate compiler flags.
WARNING:absl:Compiled the loaded model, but the compiled metrics have yet to be built. 'model.compile_metrics' will be e
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* Serving Flask app 'app'
* Debug mode: on
INFO:werkzeug:WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI ser
ver instead.
* Running on http://127.0.0.1:5000
INFO:werkzeug:Press CTRL+C to quit
INFO:werkzeug: * Restarting with watchdog (windowsapi)
2025-06-30 14:34:08.623762: I tensorflow/core/util/port.cc:153] oneDNN custom operations are on. You may see slightly di
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2025-06-30 14:34:09.803972: I tensorflow/core/util/port.cc:153] oneDNN custom operations are on. You may see slightly di
fferent numerical results due to floating-point round-off errors from different computation orders. To turn them off, se
t the environment variable 'TF_ENABLE_ONEDNN_OPTS=0'.
2025-06-30 14:34:12.390734: I tensorflow/core/platform/cpu_feature_guard.cc:210] This TensorFlow binary is optimized to
use available CPU instructions in performance-critical operations.
To enable the following instructions: SSE3 SSE4.1 SSE4.2 AVX AVX2 FMA, in other operations, rebuild TensorFlow with the
appropriate compiler flags.
WARNING:absl:Compiled the loaded model, but the compiled metrics have yet to be built. 'model.compile_metrics' will be e
mpty until you train or evaluate the model.
WARNING:werkzeug: * Debugger is active!
INFO:werkzeug: * Debugger PIN: 122-458-534
7 items
ENG
IN
14:34
30-06-2025

Transfer based learning Poultry | Transfer based learning Poultry | Transfer based learning Poultry

127.0.0.1:5000/predict

Prediction: Coccidiosis

Confidence: 100.0%

Try Another