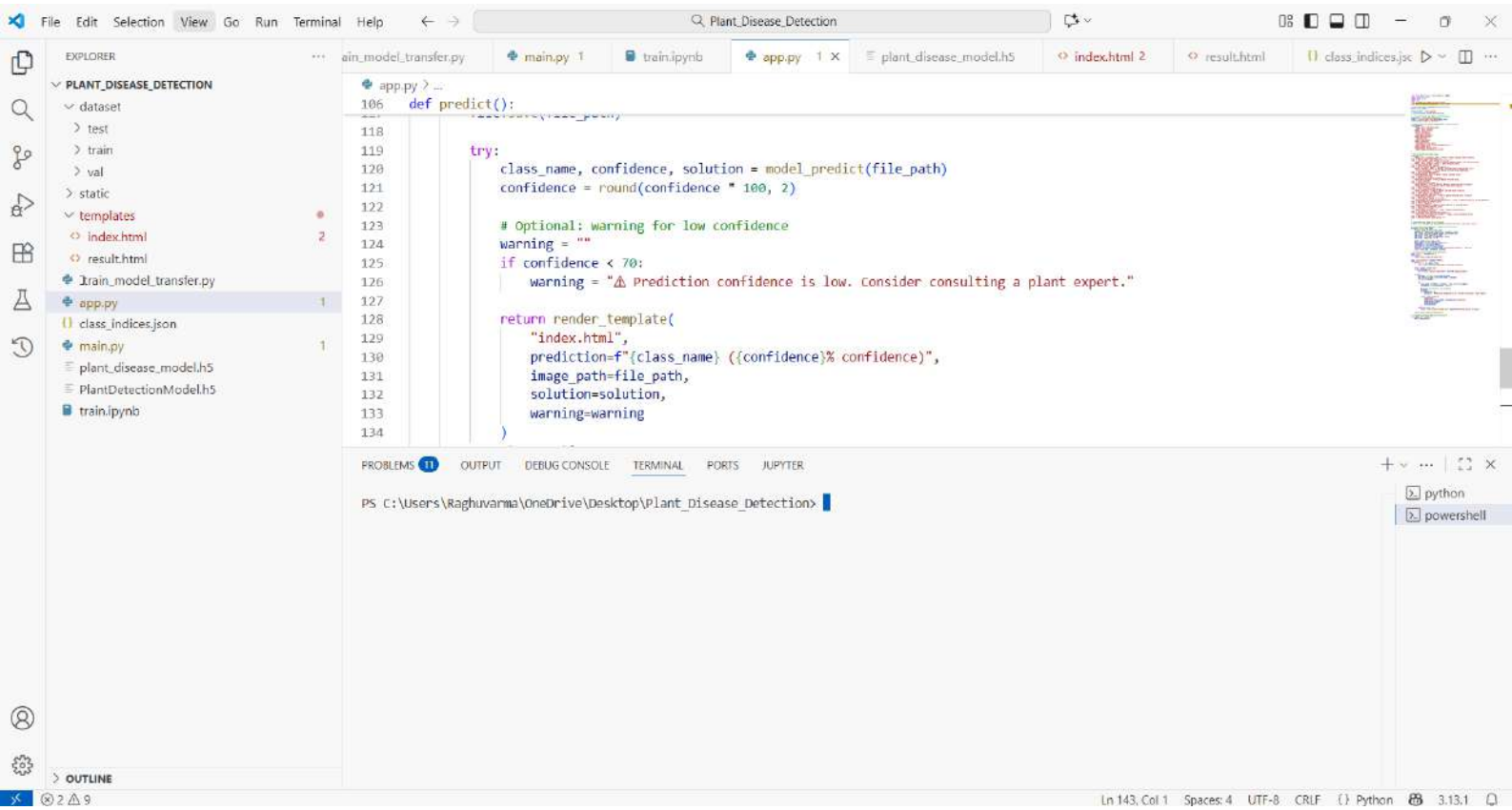
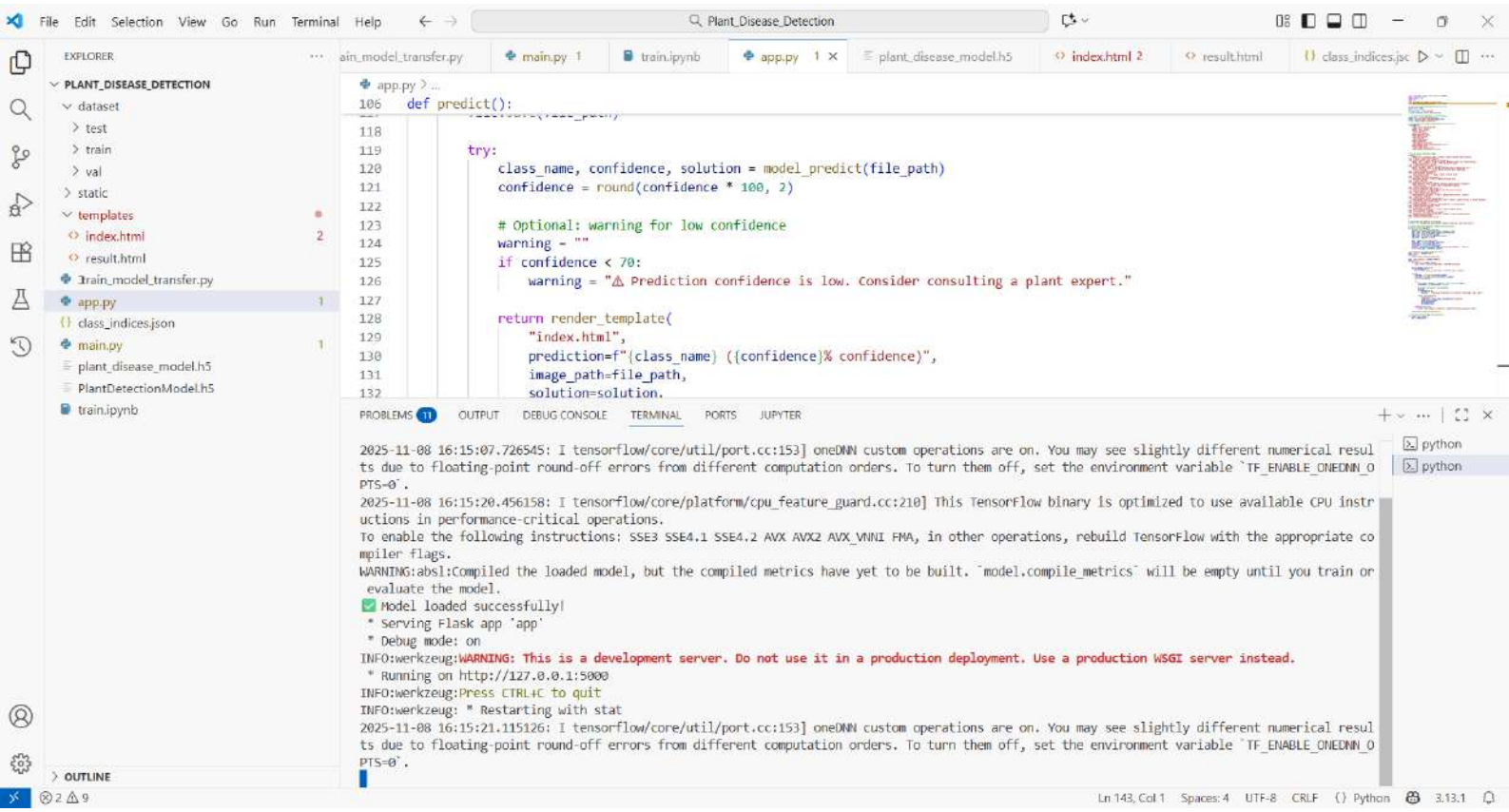

File Edit Selection View Go Run Terminal Help
Plant_Disease_Detection
EXPLORER
PLANT_DISEASE_DETECTION
dataset
test
train
val
static
templates
index.html 2
result.html
train_model_transfer.py
app.py 1
class_indices.json
main.py 1
plant_disease_model.h5
PlantDetectionModel.h5
train.ipynb
OUTLINE
app.py
main.py 1
train.ipynb
app.py 1
plant_disease_model.h5
index.html 2
result.html
class_indices.jsc
app.py > ...
def predict():
try:
class_name, confidence, solution = model_predict(file_path)
confidence = round(confidence * 100, 2)
# Optional: warning for low confidence
warning = ""
if confidence < 70:
warning = "⚠ Prediction confidence is low. Consider consulting a plant expert."
return render_template(
"index.html",
prediction=f"{class_name} ({confidence}% confidence)",
image_path=file_path,
solution=solution,
warning=warning
)
PROBLEMS 11
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
JUPYTER
PS C:\Users\Raghuvarma\OneDrive\Desktop\Plant_Disease_Detection>
python
powershell
Ln 143, Col 1
Spaces: 4
UTF-8
CRLF
Python
3.13.1


File Edit Selection View Go Run Terminal Help
Plant_Disease_Detection
EXPLORER
PLANT_DISEASE_DETECTION
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index.html 2
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result.html
class_indices.jsc
app.py > ...
106 def predict():
118
119 try:
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121 confidence = round(confidence * 100, 2)
122
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124 warning = ""
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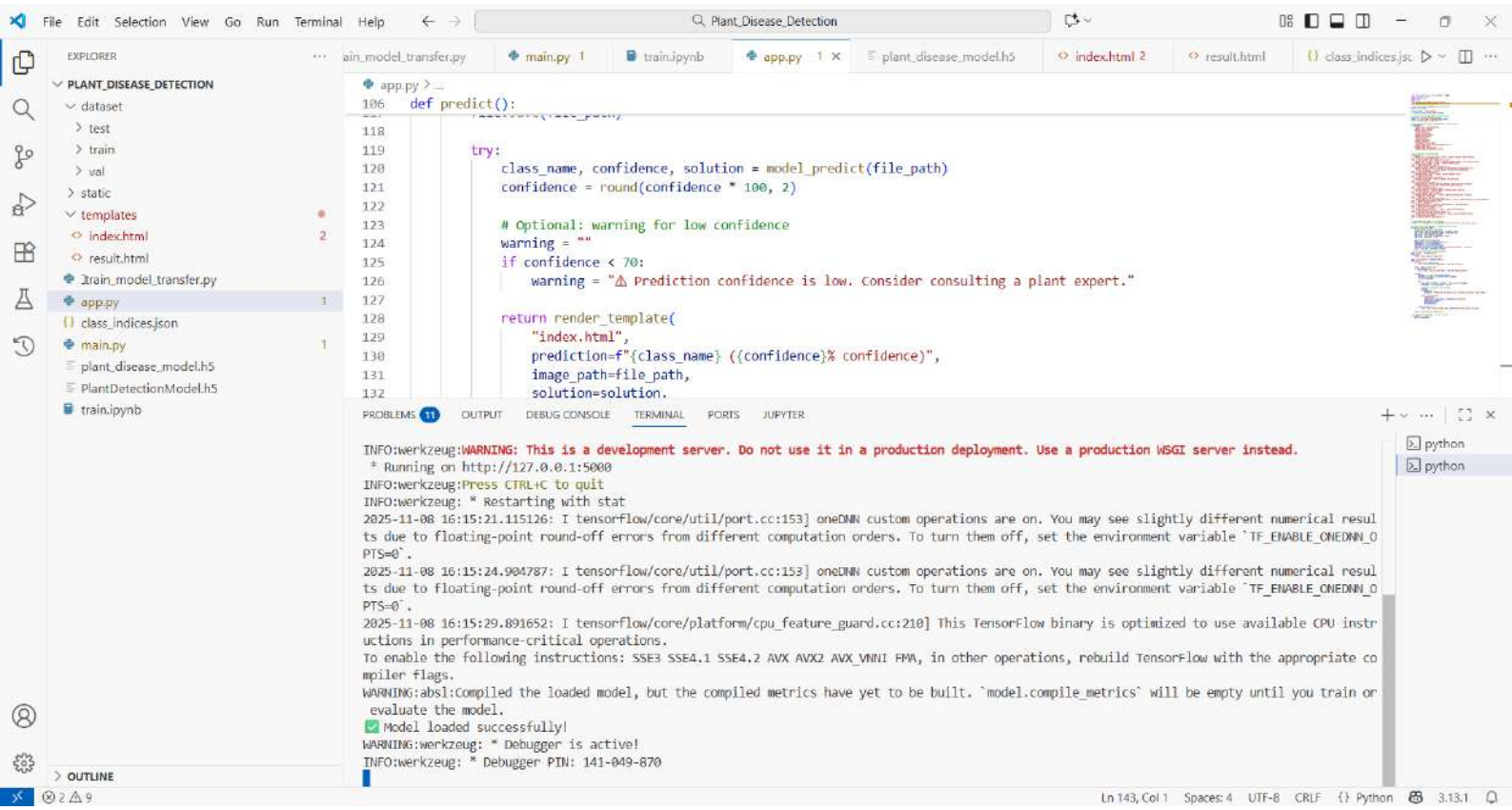
127
128 return render_template(
129 "index.html",
130 prediction=f"{class_name} ({confidence}% confidence)",
131 image_path=file_path,
132 solution=solution,
PROBLEMS 11
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
JUPYTER
python
python
2025-11-08 16:15:07.726545: I tensorflow/core/util/port.cc:153] oneDNN custom 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`.
2025-11-08 16:15:20.456158: 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 AVX_VNNI 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.
✅ Model loaded successfully!
* 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 stat
2025-11-08 16:15:21.115126: 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`.
⊗ 2 ⚠ 9
Ln 143, Col 1
Spaces: 4
UTF-8
CRLF
Python
3.13.1


File Edit Selection View Go Run Terminal Help
Plant_Disease_Detection
EXPLORER
PLANT_DISEASE_DETECTION
dataset
test
train
val
static
templates
index.html
result.html
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index.html 2
result.html
class_indices.jso
app.py > ...
106 def predict():
118
119 try:
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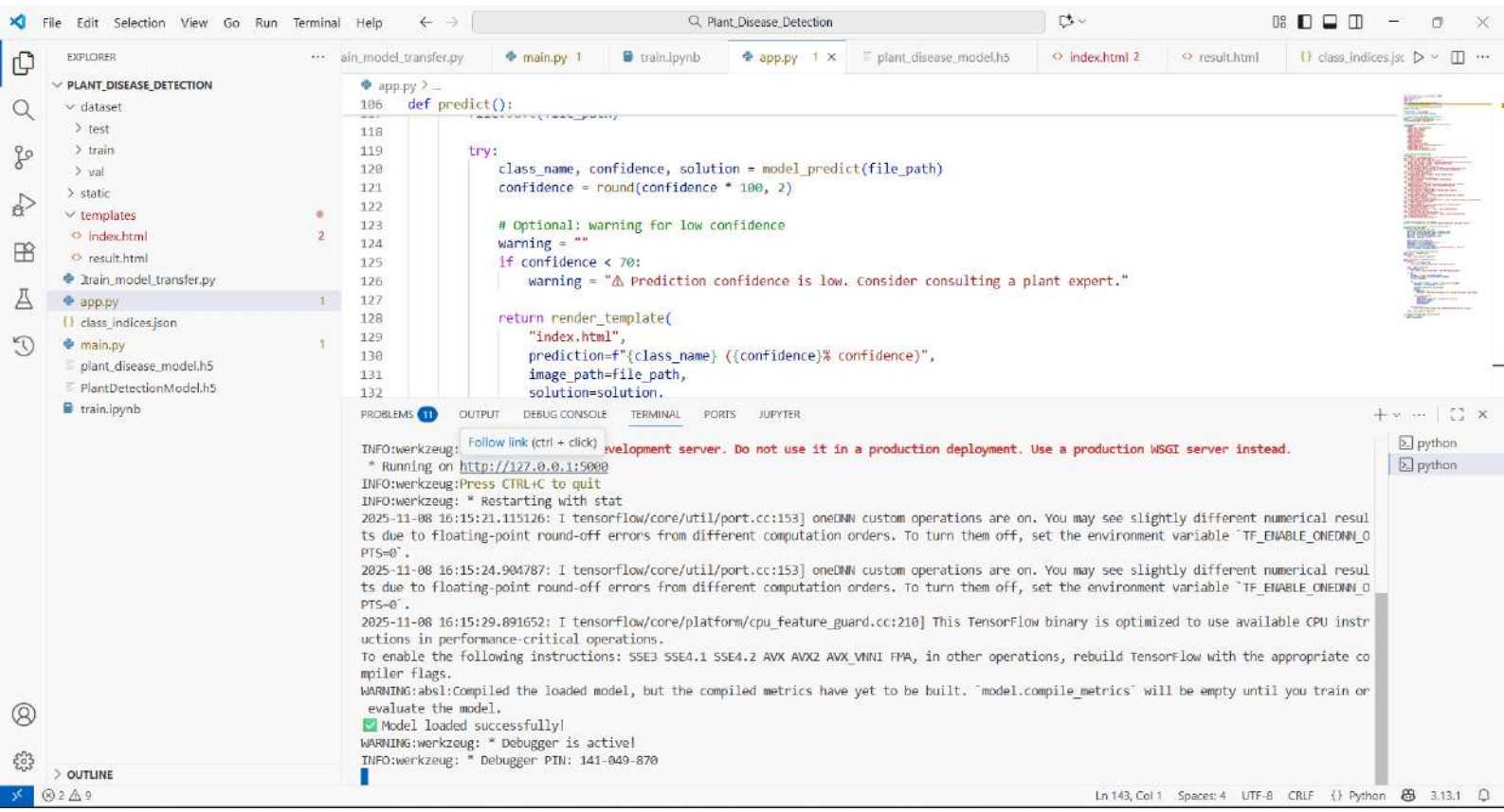
121 confidence = round(confidence * 100, 2)
122
123 # Optional: warning for low confidence
124 warning = ""
125 if confidence < 70:
126 warning = "⚠ Prediction confidence is low. Consider consulting a plant expert."
127
128 return render_template(
129 "index.html",
130 prediction=f"{class_name} ({confidence}% confidence)",
131 image_path=file_path,
132 solution=solution,
PROBLEMS 11
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
JUPYTER
python
python
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 stat
2025-11-08 16:15:21.115126: 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`.
2025-11-08 16:15:24.904787: 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`.
2025-11-08 16:15:29.891652: 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 AVX_VNNI 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.
✅ Model loaded successfully!
WARNING:werkzeug: * Debugger is active!
INFO:werkzeug: * Debugger PIN: 141-049-870
Ln 143, Col 1
Spaces: 4
UTF-8
CRLF
Python
3.13.1


File Edit Selection View Go Run Terminal Help
Plant_Disease_Detection
EXPLORER
PLANT_DISEASE_DETECTION
dataset
test
train
val
static
templates
index.html
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image_path=file_path,
solution=solution,
PROBLEMS 11
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
JUPYTER
Follow link (ctrl + click)
INFO:werkzeug: velopment 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 stat
2025-11-08 16:15:21.115126: I tensorflow/core/util/port.cc:153] oneDNN custom operations are on. You may see slightly different numerical resul
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✅ Model loaded successfully!
WARNING:werkzeug: * Debugger is active!
INFO:werkzeug: * Debugger PIN: 141-049-870
python
python
Ln 143, Col 1
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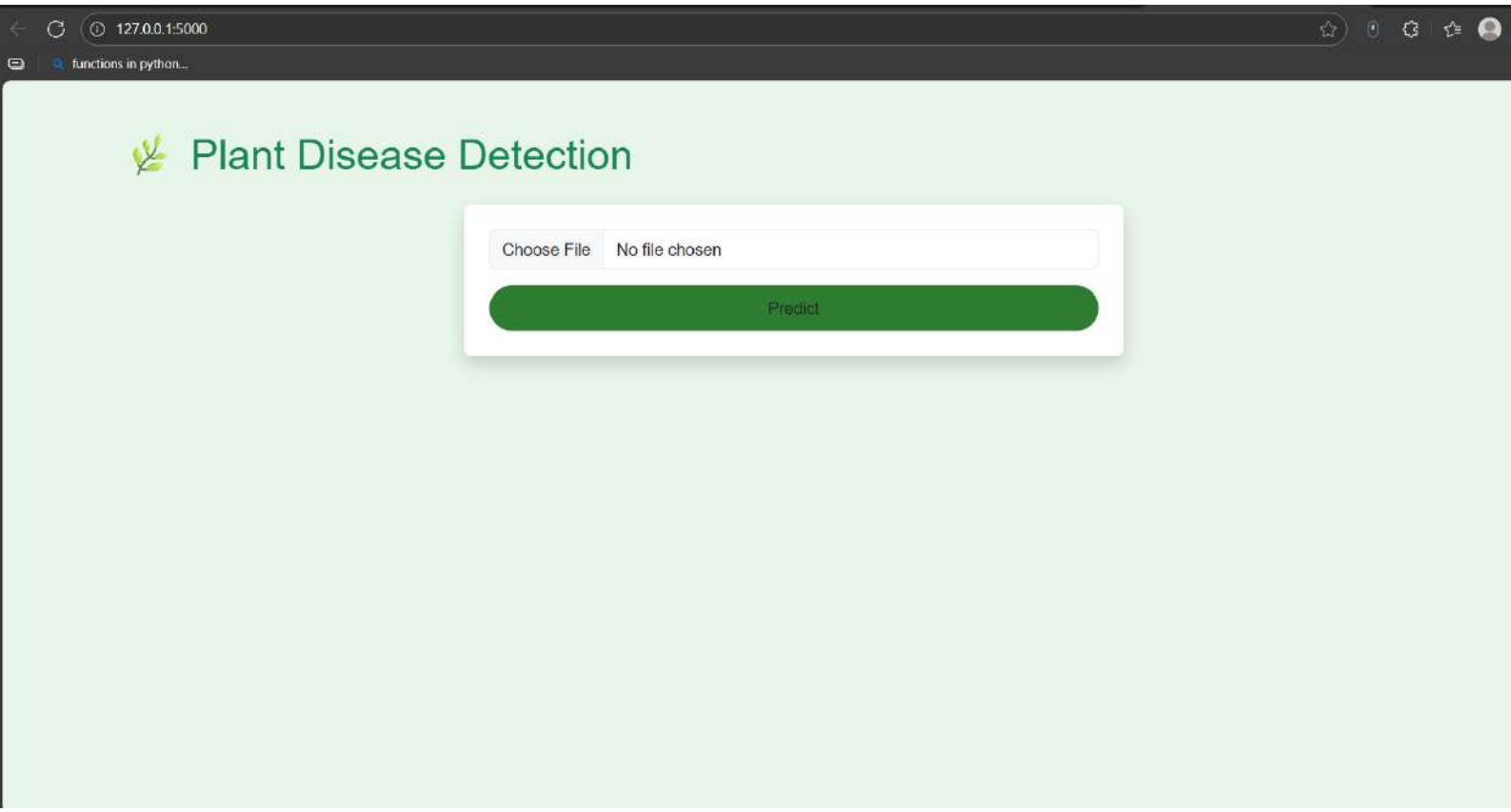
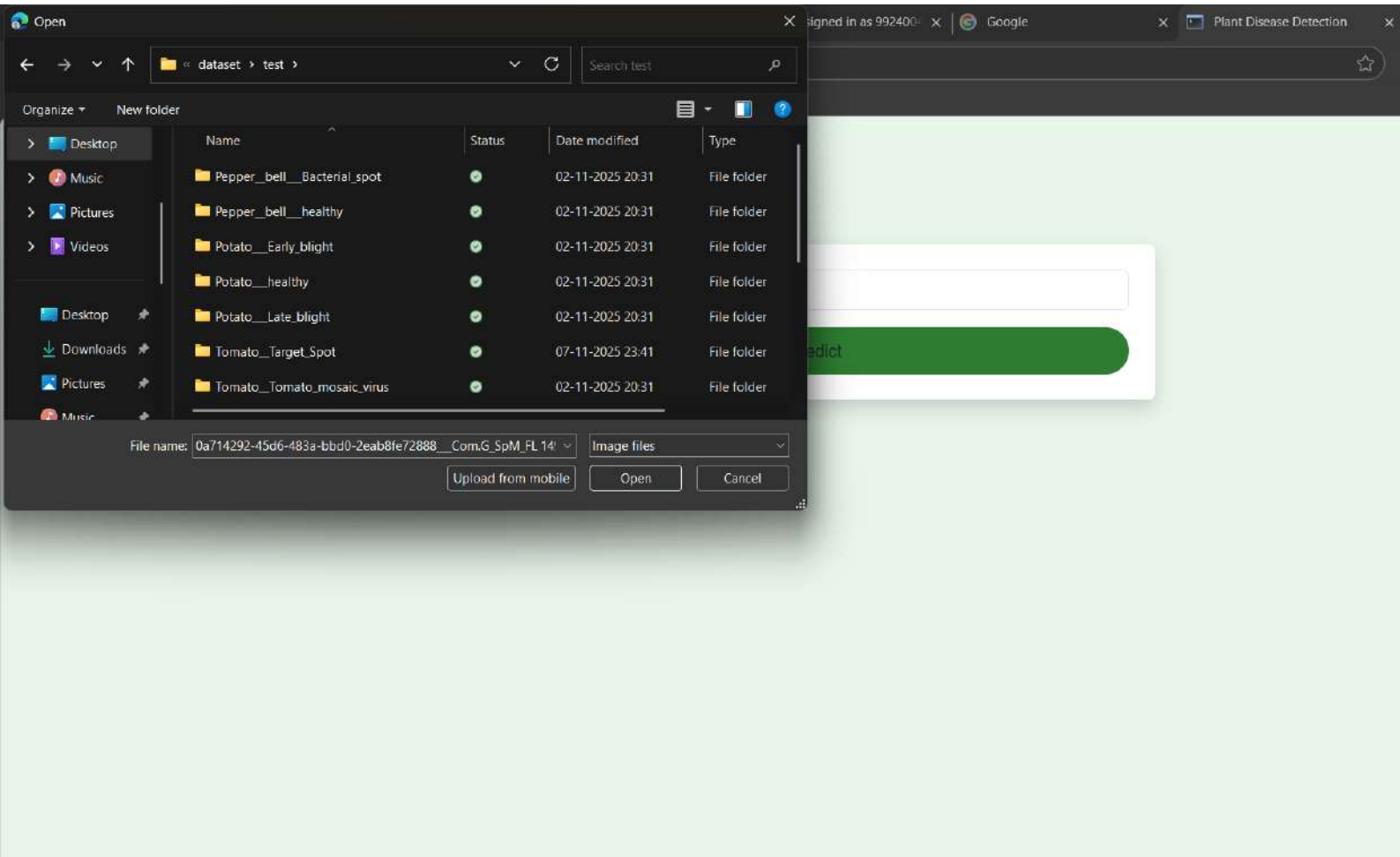
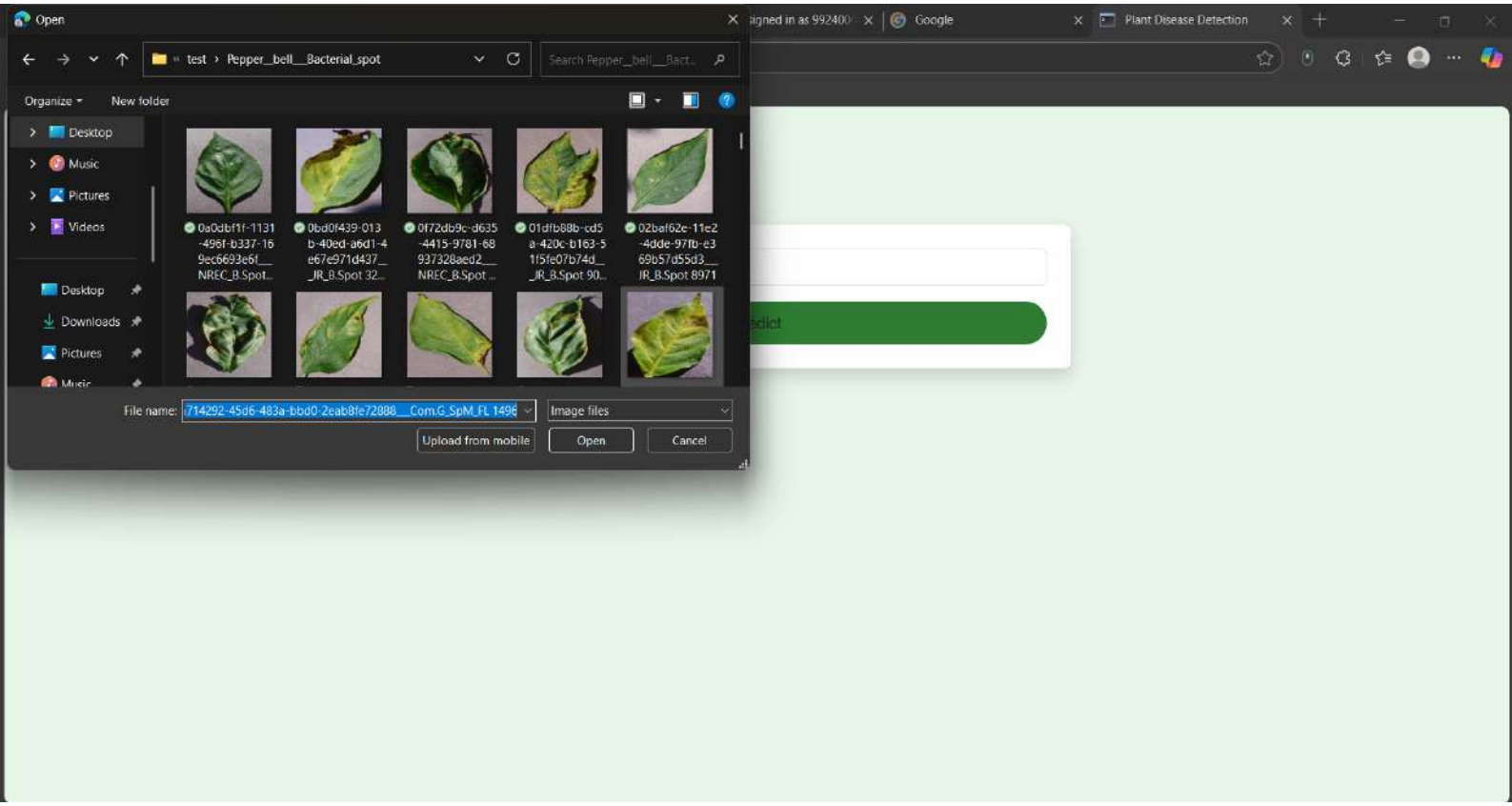
Python
3.13.1


127.0.0.1:5000
functions in python...
Plant Disease Detection
Choose File
No file chosen
Predict


Open
dataset › test ›
Search test
Organize
New folder
Desktop
Music
Pictures
Videos
Desktop
Downloads
Pictures
Name
Status
Date modified
Type
Pepper__bell___Bacterial_spot
02-11-2025 20:31
File folder
Pepper__bell___healthy
02-11-2025 20:31
File folder
Potato___Early_blight
02-11-2025 20:31
File folder
Potato___healthy
02-11-2025 20:31
File folder
Potato___Late_blight
02-11-2025 20:31
File folder
Tomato__Target_Spot
07-11-2025 23:41
File folder
Tomato__Tomato_mosaic_virus
02-11-2025 20:31
File folder
File name:
0a714292-45d6-483a-bbd0-2eab8fe72888___Com.G_SpM_FL 14
Image files
Upload from mobile
Open
Cancel
Google
Plant Disease Detection


Open
test › Pepper__bell___Bacterial_spot
Search Pepper__bell___Bact...
Organize
New folder
Desktop
Music
Pictures
Videos
Desktop
Downloads
Pictures
0a0dbf1f-1131-496f-b337-169ec6693e6f___NREC_B.Spot...
0bd0f439-013b-40ed-a6d1-4e67e971d437___JR_B.Spot 32...
0f72db9c-d635-4415-9781-68937328aed2___NREC_B.Spot ...
01dfb88b-cd5a-420c-b163-51f5fe07b74d___JR_B.Spot 90...
02baf62e-11e2-4dde-97fb-e369b57d55d3___JR_B.Spot 8971
File name: 714292-45d6-483a-bbd0-2eab8fe72888___Com.G_SpM_FL 1496
Image files
Upload from mobile
Open
Cancel
Google
Plant Disease Detection

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127.0.0.1:5000/predict

functions in python...

Plant Disease Detection

Choose File | No file chosen

Predict

Prediction

Pepper__bell___Bacterial_spot (100.0% confidence)

Suggested Solution:

```
Step 1: Remove infected leaves carefully.
Step 2: Spray a copper-based fungicide.
Step 3: Ensure proper plant spacing for airflow.
⚠ Friendly Tip: Avoid harmful chemical fertilizers and protect nature.
```

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127.0.0.1:5000/predict

functions in python...

Predict

Prediction

Pepper__bell___Bacterial_spot (100.0% confidence)

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```
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Try Another Image