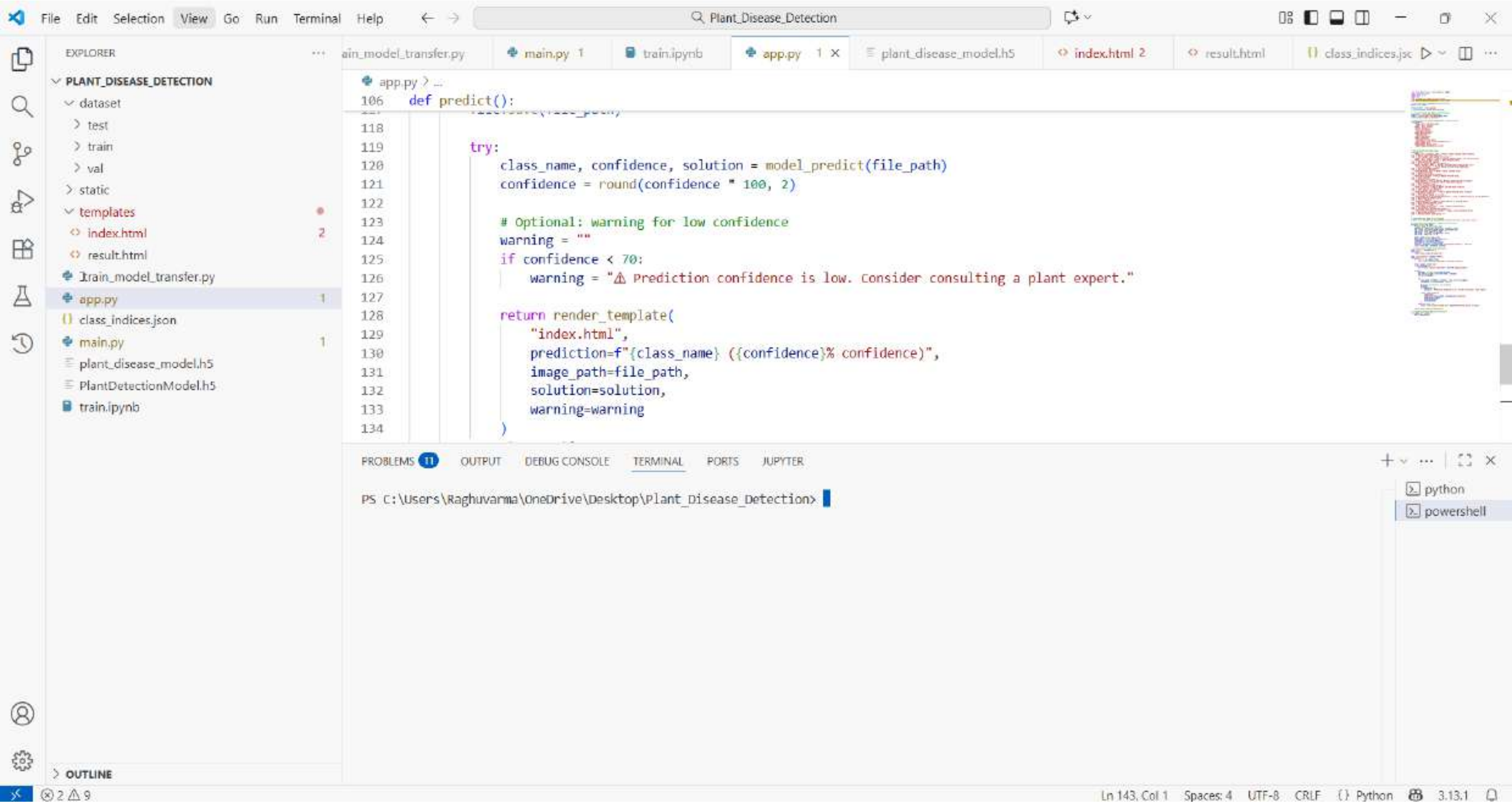


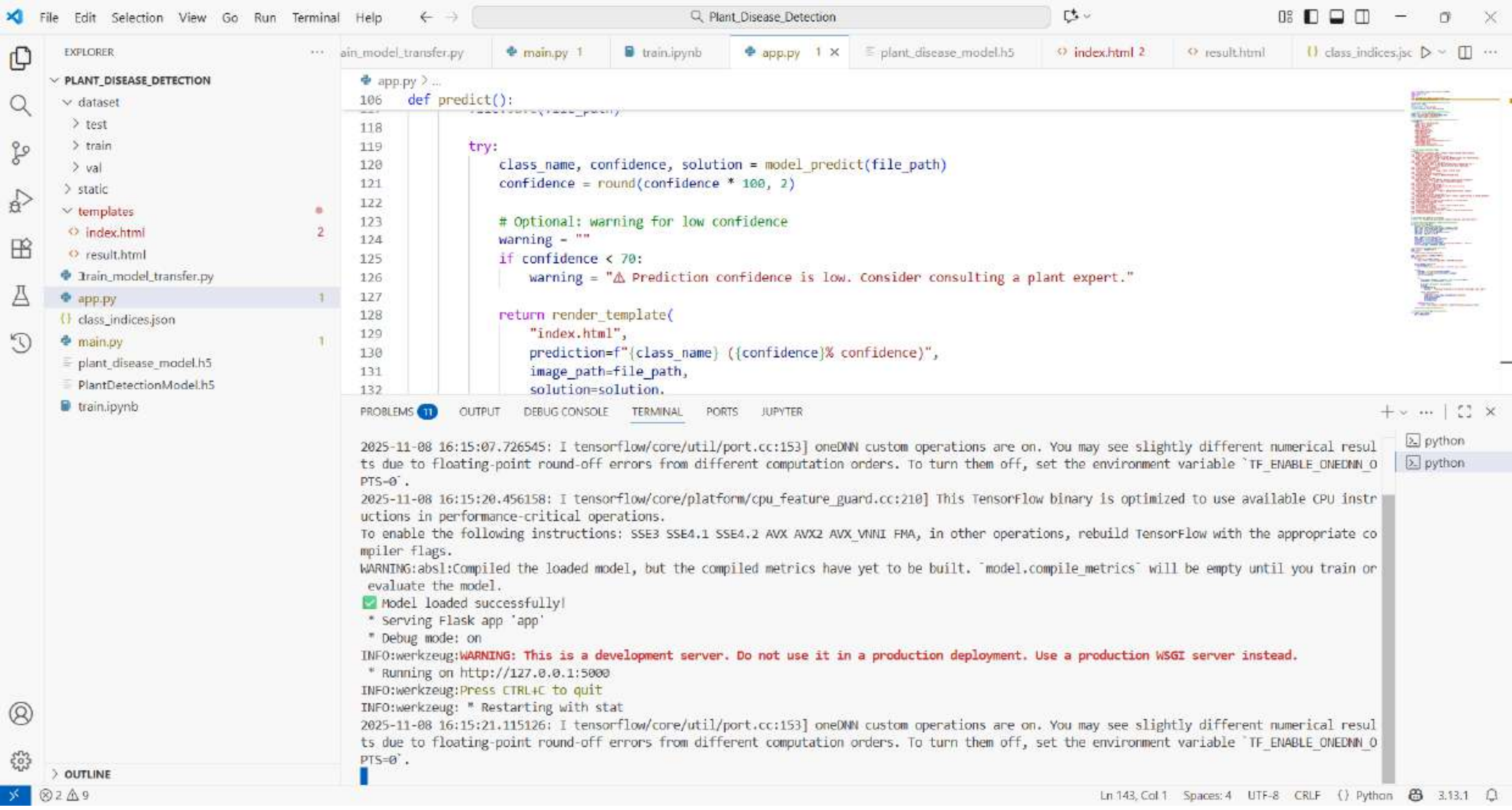
```python
def predict():

        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
            )
```

```
PS C:\Users\Raghuvarma\OneDrive\Desktop\Plant_Disease_Detection>
```



```python
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```

```
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 resul
ts due to floating-point round-off errors from different computation orders. To turn them off, set the environment variable `TF_ENABLE_ONEDNN_O
PTS=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 instr
uctions 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 co
mpiler 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 resul
ts due to floating-point round-off errors from different computation orders. To turn them off, set the environment variable `TF_ENABLE_ONEDNN_O
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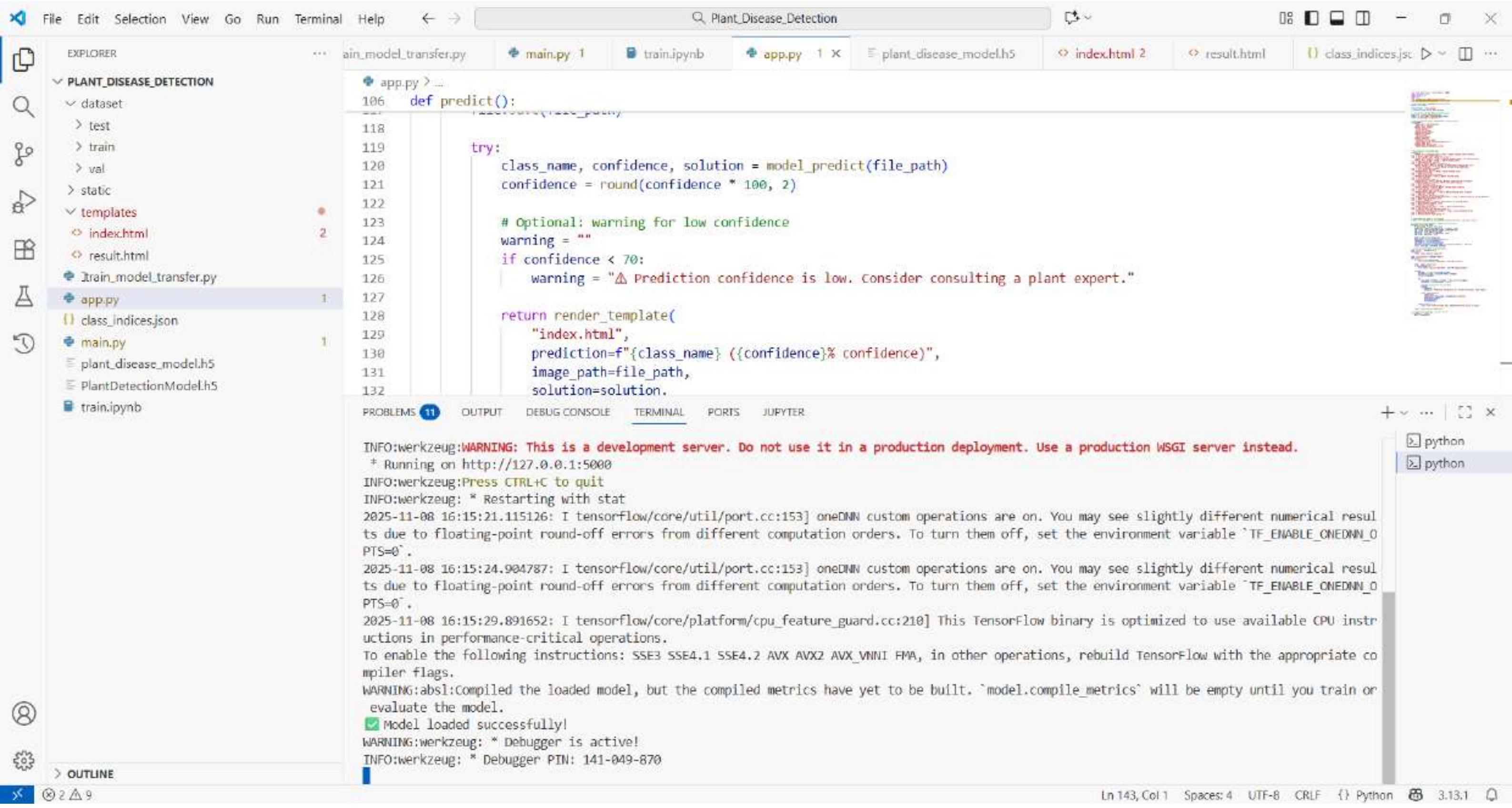
```



```
def predict():

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            class_name, confidence, solution = model_predict(file_path)
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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 resul
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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 instr
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To enable the following instructions: SSE3 SSE4.1 SSE4.2 AVX AVX2 AVX_VNNI FMA, in other operations, rebuild TensorFlow with the appropriate co
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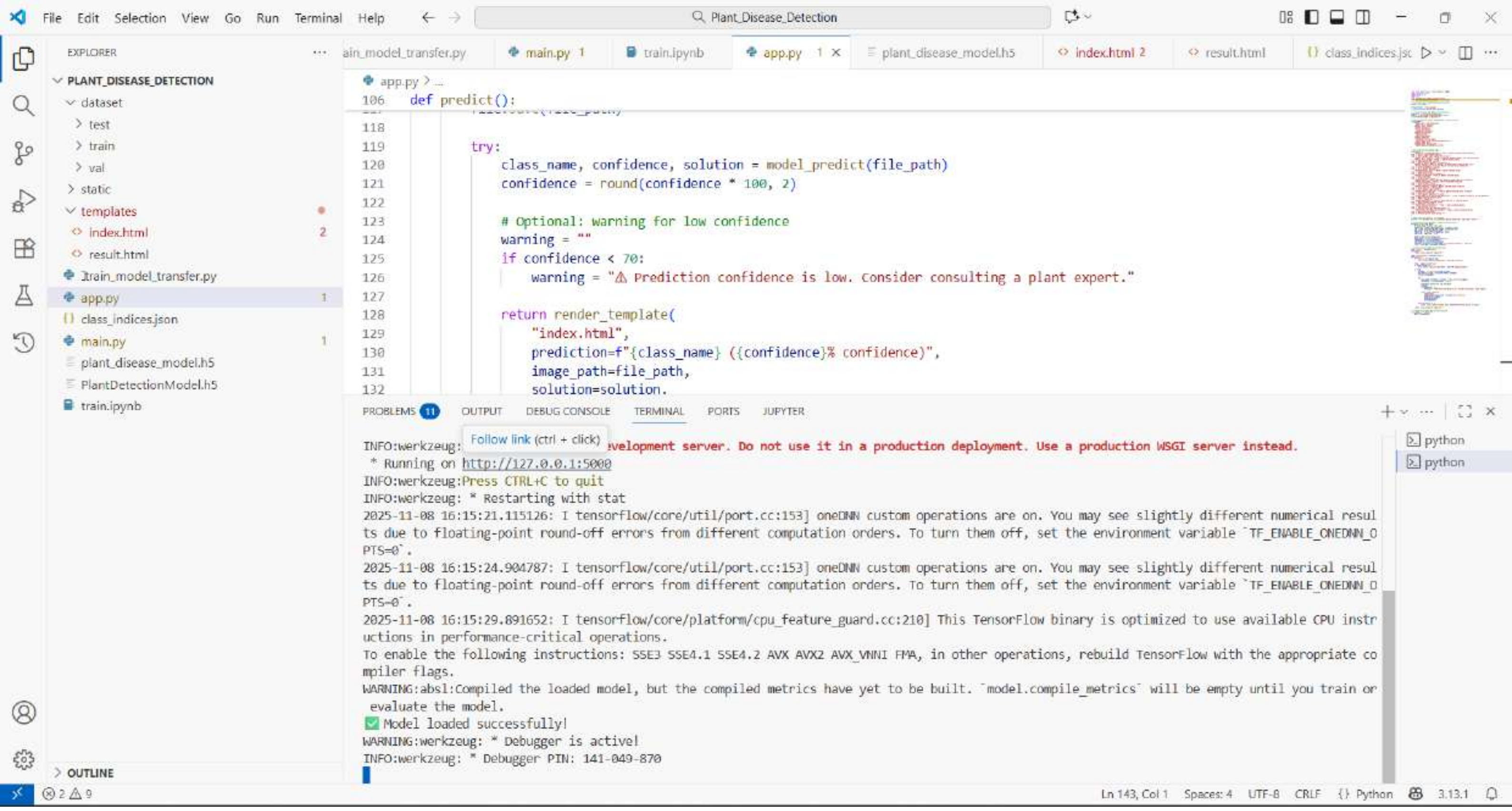
✅ Model loaded successfully!
WARNING:werkzeug: * Debugger is active!
INFO:werkzeug: * Debugger PIN: 141-049-870
```



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```

```
INFO:werkzeug: evelopment 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
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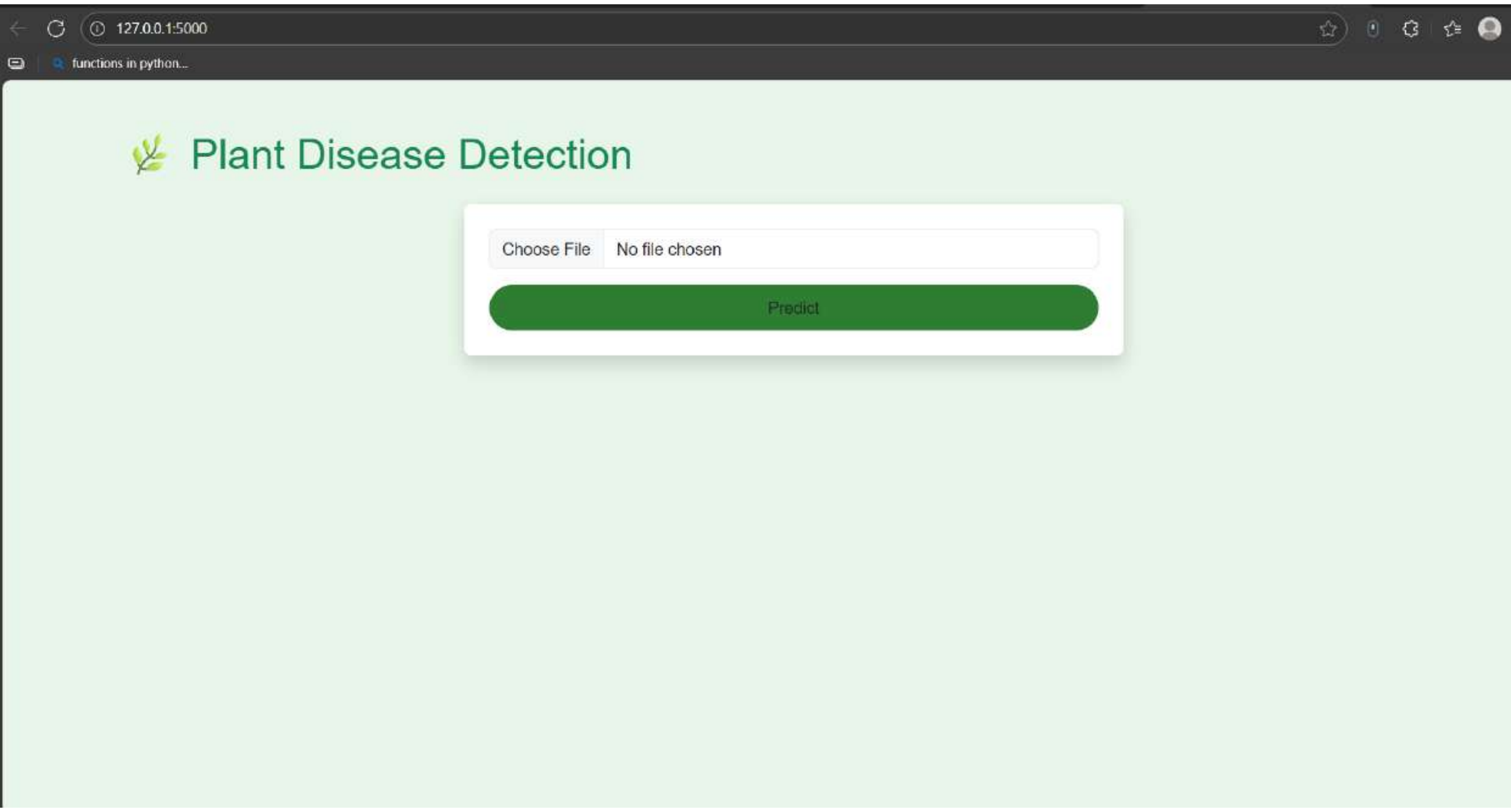
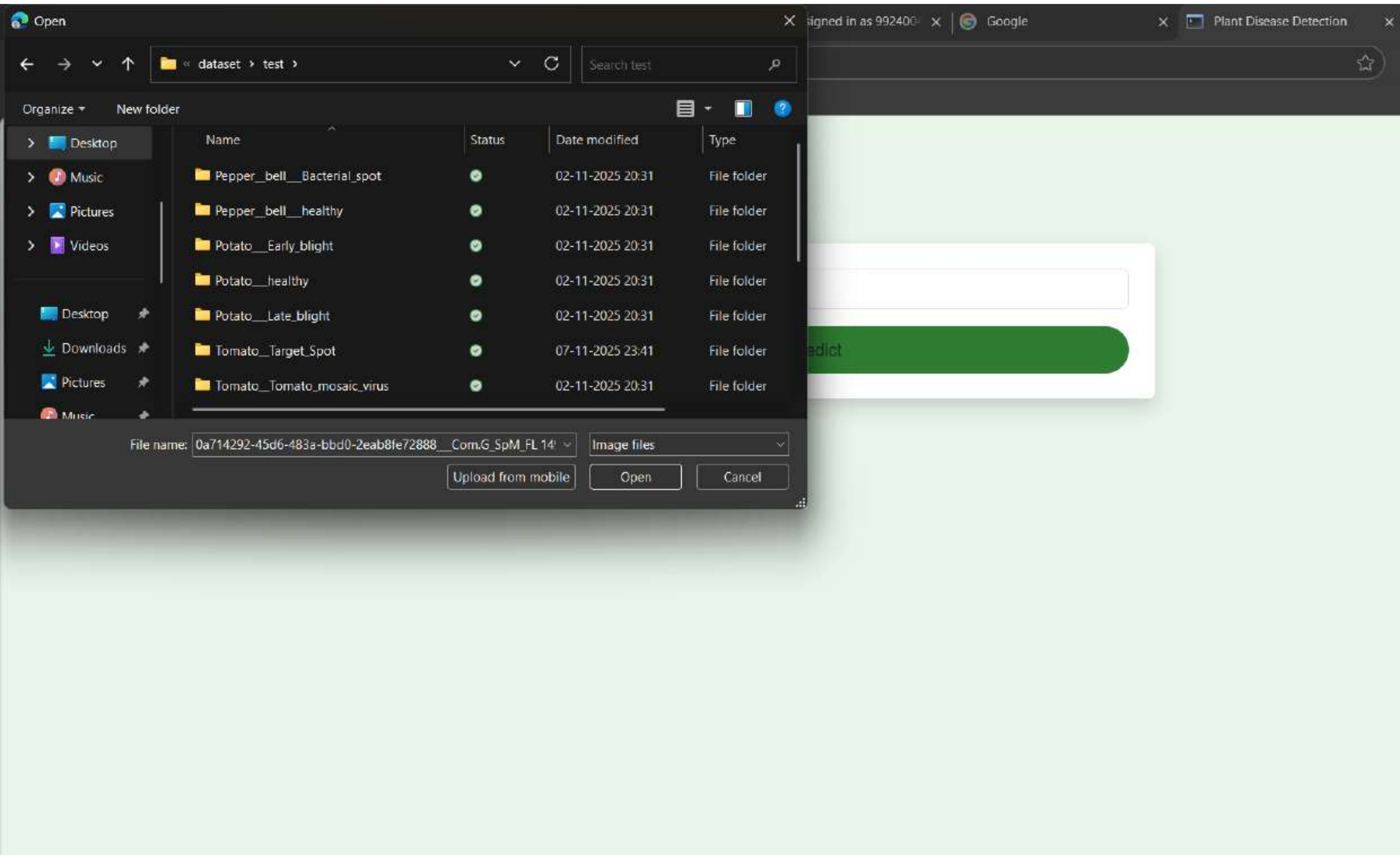


Plant Disease Detection

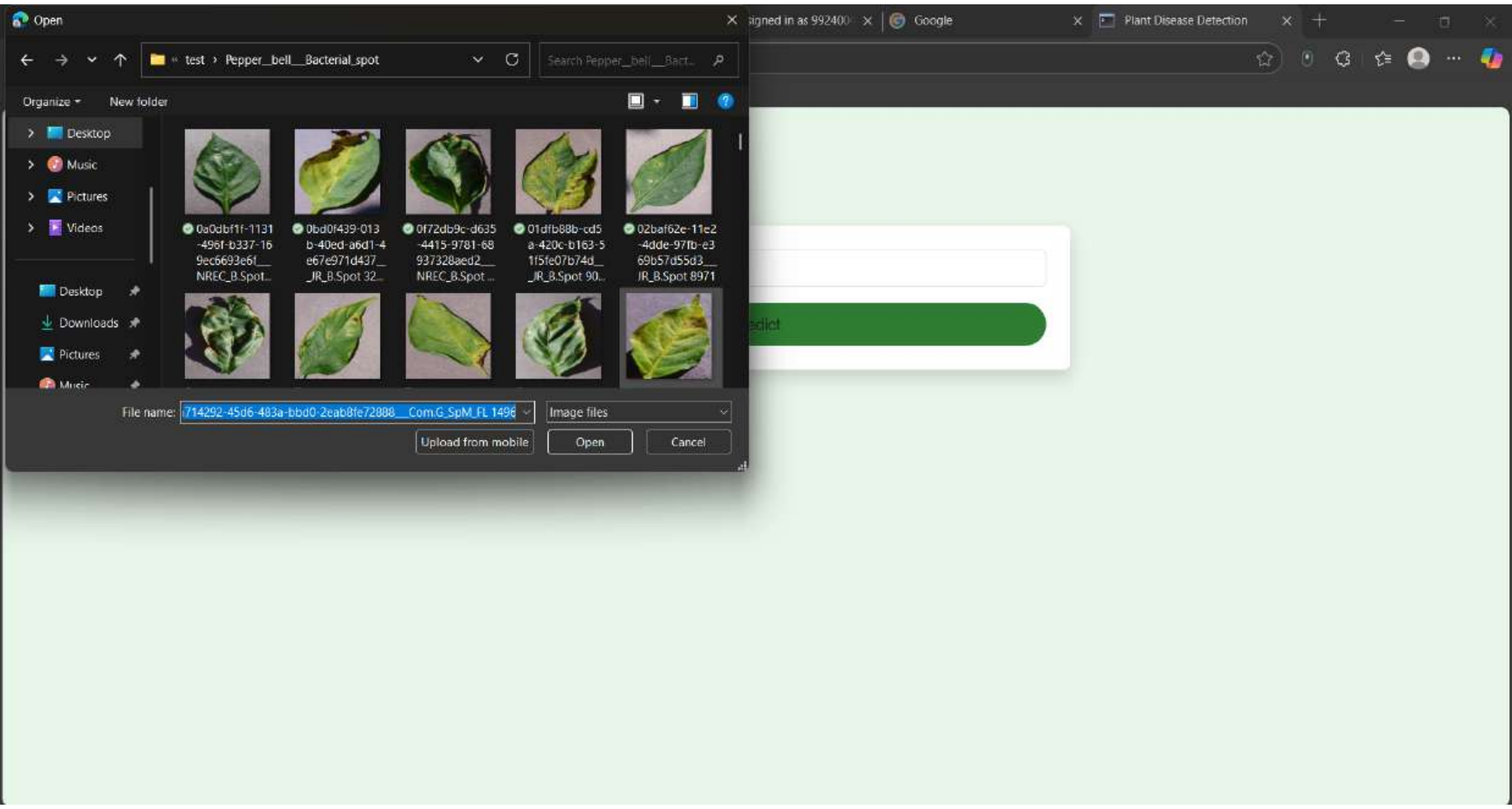
No file chosen



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

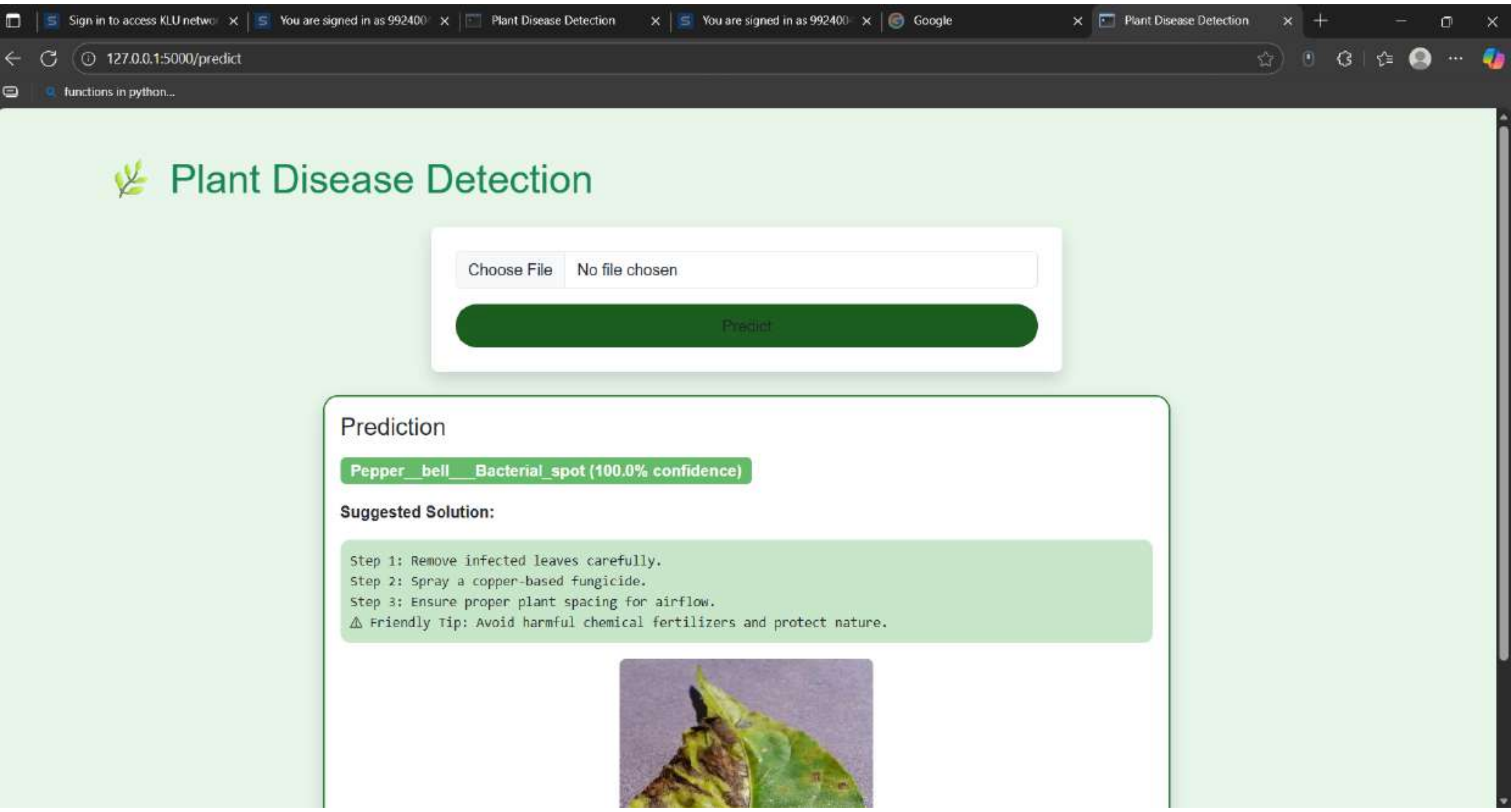
File name: 0a714292-45d6-483a-bbd0-2eab8fe72888__Com.G_SpM_FL 14

Image files


Open
signed in as 992400
Google
Plant Disease Detection
test › Pepper__bell__Bacterial_spot
Search Pepper__bell__Bact...
Organize
New folder
Desktop
Music
Pictures
Videos
Desktop
Downloads
Pictures
Music
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
Upload from mobile
Open
Cancel
edict

File name: 714292-45d6-483a-bbd0-2eab8fe72888___Com.G_SpM_FL 1496

Image files



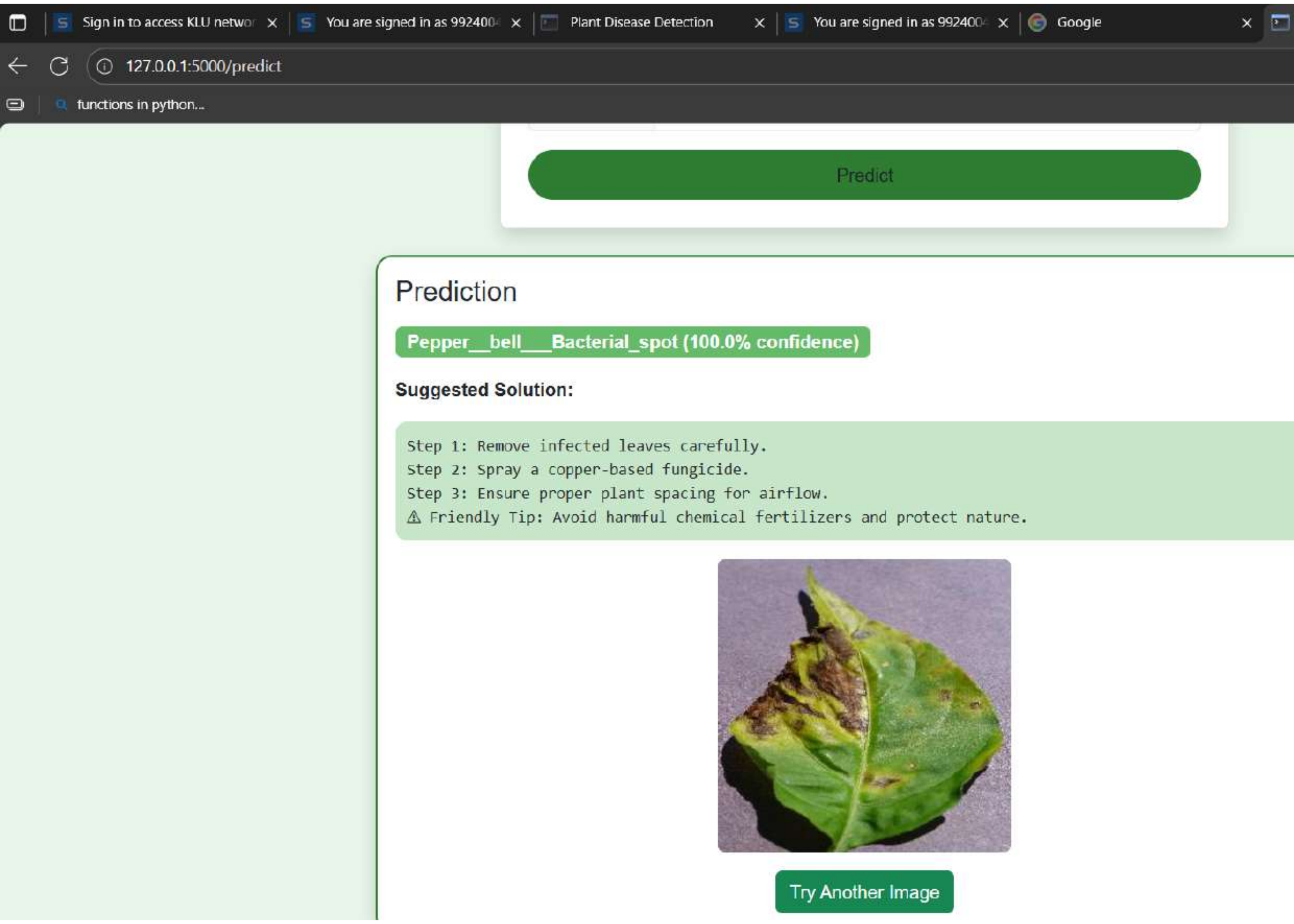
Plant Disease Detection

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.
```



Sign in to access KLU networ
You are signed in as 992400
Plant Disease Detection
You are signed in as 992400
Google
127.0.0.1:5000/predict
functions in python...
Predict

Prediction

Pepper__bell___Bacterial_spot (100.0% confidence)

Suggested Solution:

```
Step 1: Remove infected leaves carefully.
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