

1. Remember to download all necessary files. :D
2. Start backend using `cd <directory to the folder>` Once started the backend, it will show the startup info (as shown in picture).

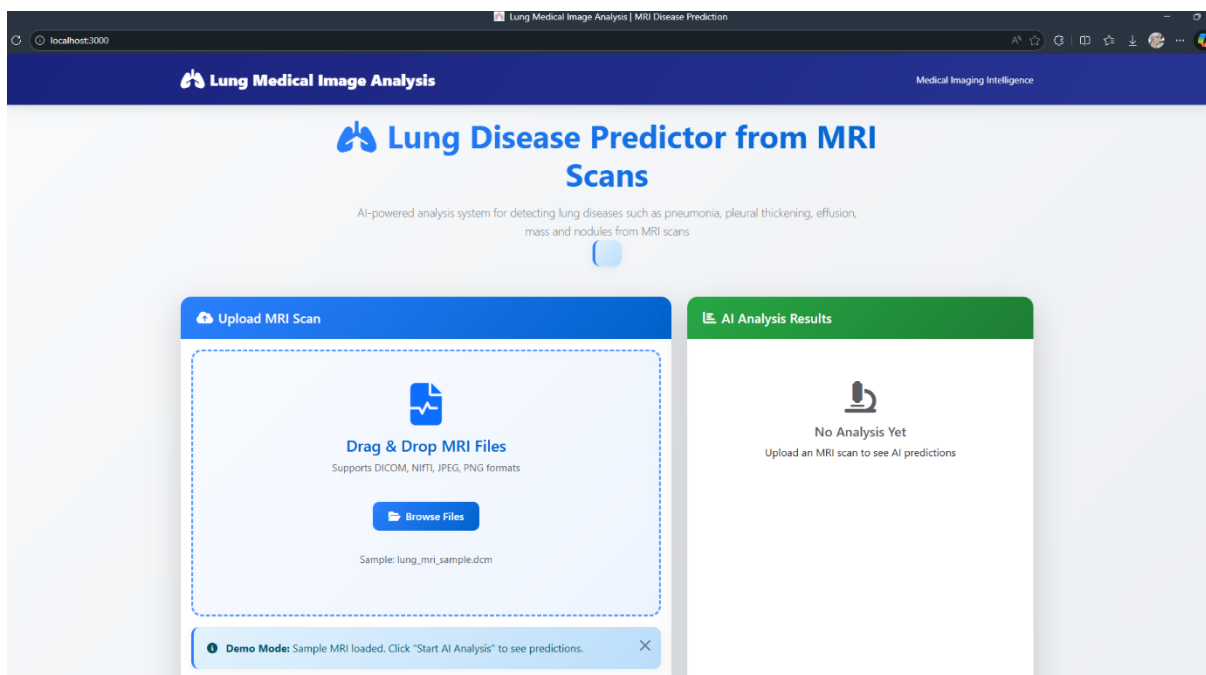
```
PS C:\Users\User\Desktop\AI_FRONTEND> uvicorn src.api.main:app --reload --port 8000
INFO: Will watch for changes in these directories: ['C:\\Users\\User\\Desktop\\AI_FRONTEND']
INFO: Uvicorn running on http://127.0.0.1:8000 (Press CTRL+C to quit)
INFO: Started reloader process [21052] using StatReload
Loading model from: C:\Users\User\Desktop\AI_FRONTEND\src\models\lung_model.pt
SUCCESS: Model loaded.
INFO: Started server process [12656]
INFO: Waiting for application startup.
INFO: Application startup complete.
```

3. Then start the frontend using the commands also.

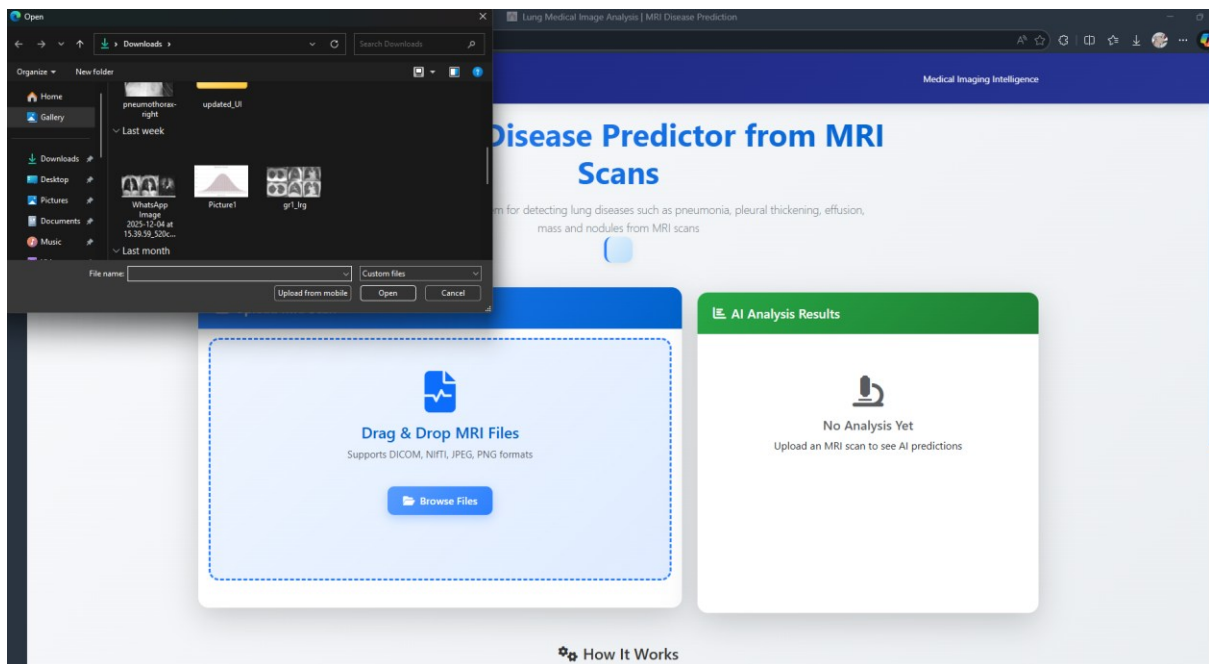
```
PS C:\Users\User\Desktop\AI_FRONTEND> python -m http.server 3000
Serving HTTP on :: port 3000 (http://[::]:3000/) ...
```

4. then open the localhost on any browser. (I suggested edge become looks nicer hahaha) url: <http://localhost:3000>

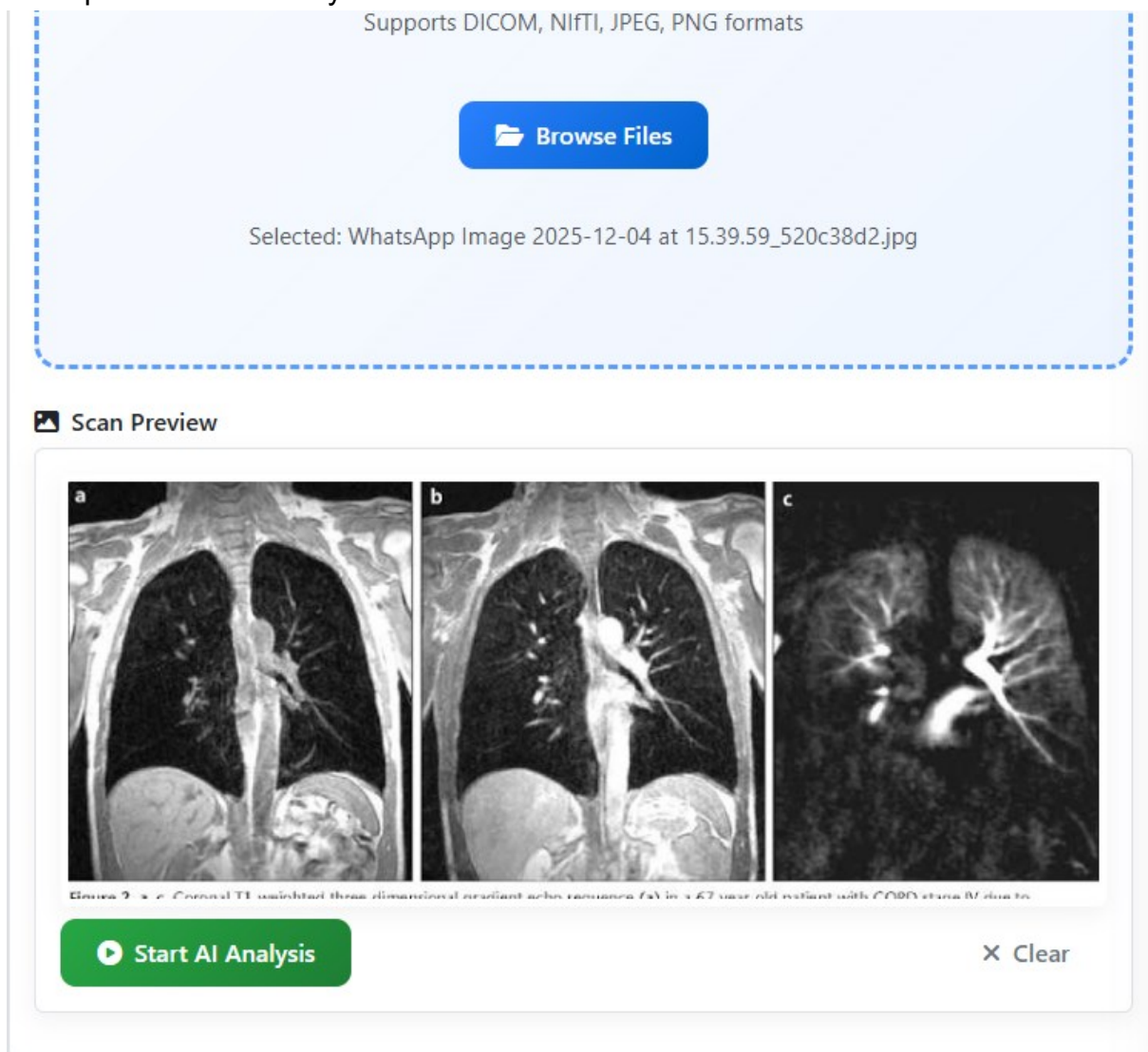
Then you will see smtg like this:



5. Upload files



Then press start AI analysis



Then it will show results

Supports DICOM, NIFTI, JPEG, PNG formats

[Browse Files](#)

Selected: WhatsApp Image 2025-12-04 at 15.39.59_520c38d2.jpg

Scan Preview

Emphysema 5% 10% 8% 6% 9% 2%

✓ Analysis Complete X Clear

Detected Lesions

Type	Location	Size	Confidence
Emphysema	Lesion 1	Large (> 2cm)	16%
Emphysema	Lesion 2	Large (> 2cm)	12%
Emphysema	Lesion 3	Large (> 2cm)	12%
Emphysema	Lesion 4	Large (> 2cm)	10%
Emphysema	Lesion 5	Large (> 2cm)	9%
Emphysema	Lesion 6	Large (> 2cm)	9%
Emphysema	Lesion 7	Large (> 2cm)	8%
Emphysema	Lesion 8	Large (> 2cm)	8%
Emphysema	Lesion 9	Large (> 2cm)	7%
Emphysema	Lesion 10	Large (> 2cm)	6%
Emphysema	Lesion 11	Large (> 2cm)	5%

6. To check whether it is functioning, check the dev console and the bash.

You will see these, if there are responses, it works.

localhost:3000

Lung Medical Image Analysis | MRI Disease Prediction

Medical Imaging Intelligence

Scan Preview

Emphysema 5% 10% 8% 6% 9% 2%

✓ Analysis Complete X Clear

Emphysema Lesion 2 Large (> 2cm) 12%

Emphysema Lesion 3 Large (> 2cm) 12%

Emphysema Lesion 4 Large (> 2cm) 10%

Emphysema Lesion 5 Large (> 2cm) 9%

Emphysema Lesion 6 Large (> 2cm) 9%

Emphysema Lesion 7 Large (> 2cm) 8%

Emphysema Lesion 8 Large (> 2cm) 8%

Emphysema Lesion 9 Large (> 2cm) 7%

Lesion Large

Console

```
body {
  font-family: 'Segoe UI', 'Inter', -apple-system, BlinkMacSystemFont, sans-serif;
  background: linear-gradient(to top right, #f0f0f0, #f0f0f0);
  min-height: 100vh;
  color: #333;
  padding-bottom: 20px;
}

body {
  margin: 0;
}

... BOUNDING BOX DEMO ...
Detection 0: Object script:16:131
Detection 1: Object script:16:131
Detection 2: Object script:16:131
Detection 3: Object script:16:131
Detection 4: Object script:16:131
Detection 5: Object script:16:131
Detection 6: Object script:16:131
Detection 7: Object script:16:131
Detection 8: Object script:16:131
Detection 9: Object script:16:131
Detection 10: Object script:16:131
Image dimensions: Object script:16:131
Detections: Array(11) script:16:137
Original box 0: Object script:16:147
Final box 0: Object script:16:154
Original box 1: Object script:16:157
Final box 1: Object script:16:164
Original box 2: Object script:16:167
Final box 2: Object script:16:174
Original box 3: Object script:16:177
Final box 3: Object script:16:184
Original box 4: Object script:16:187
Final box 4: Object script:16:194
```

Infos from frontend:

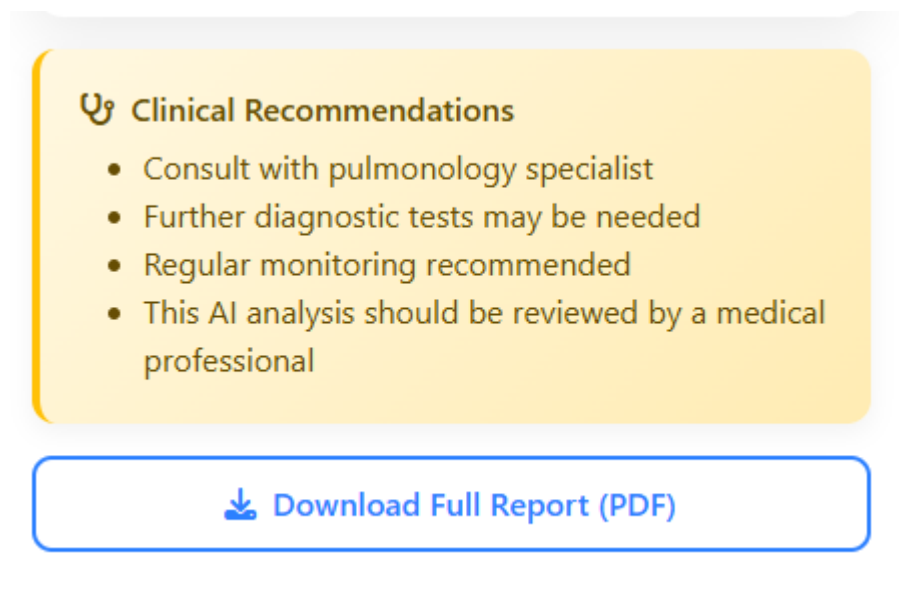
```
Keyboard interrupt received, exiting.
PS C:\Users\User\Desktop\Lung-AI-Project> cd C:\Users\User\Desktop\AI_FRONTEND
PS C:\Users\User\Desktop\AI_FRONTEND> ^C
PS C:\Users\User\Desktop\AI_FRONTEND> python -m http.server 3000
Serving HTTP on :: port 3000 (http://[::]:3000/) ...
::1 - - [11/Dec/2025 22:50:30] "GET / HTTP/1.1" 200 -
::1 - - [11/Dec/2025 22:50:30] "GET /style.css HTTP/1.1" 200 -
::1 - - [11/Dec/2025 22:50:30] "GET /script.js HTTP/1.1" 200 -
::1 - - [11/Dec/2025 22:50:31] "GET /favicon.ico HTTP/1.1" 200 -
```

Infos from backend:

```
0: 288x640 11 emphysemas, 895.1ms
Speed: 32.7ms preprocess, 895.1ms inference, 64.3ms postprocess per image at shape (1, 3, 288, 640)
INFO: 127.0.0.1:60445 - "POST /predict HTTP/1.1" 200 OK
```

So basically, when it shows that you managed to sent requests and get responses, it works.

Just to mention, there are some extra features. :D



Yea u can dl a pdf report.