

REAL-TIME EARTHQUAKE DETECTION AND INTENSITY FORECASTING SYSTEM

Step-01: PyCharm:

Open the project files directly

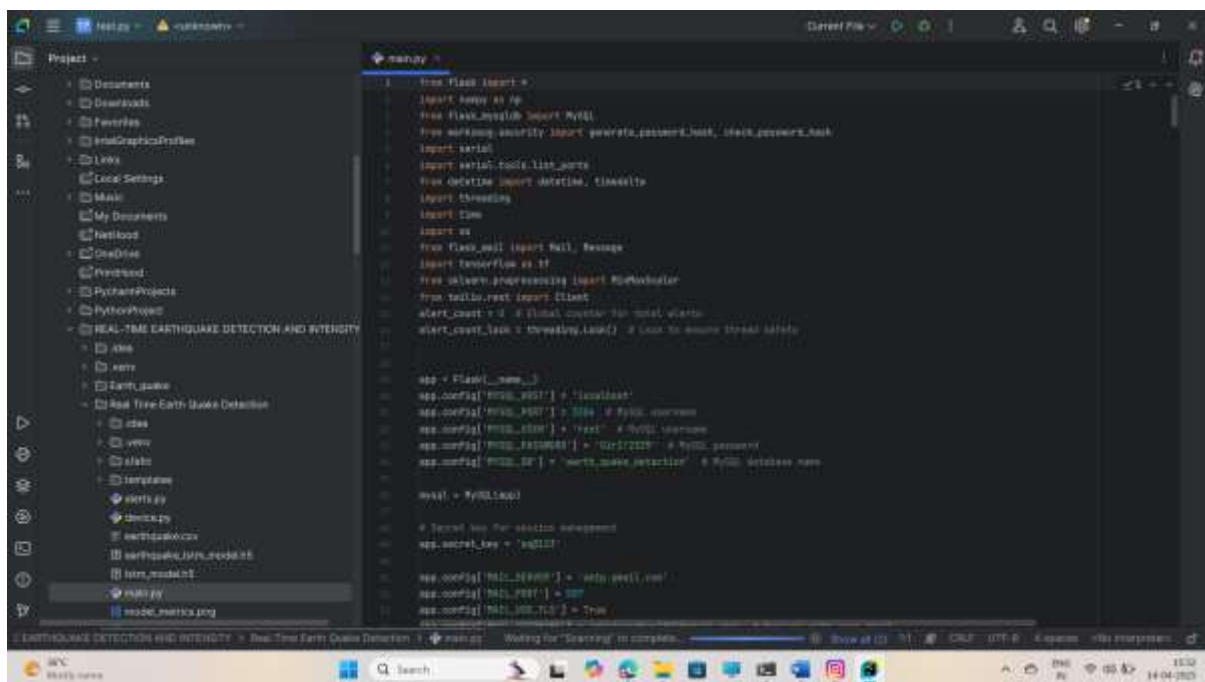
Step-02 Installing Libraries or installing requirements.txt

Command for installing requirements.txt which can install all libraries in a single go.

pip install requirements.txt

Step-03 Running the main code

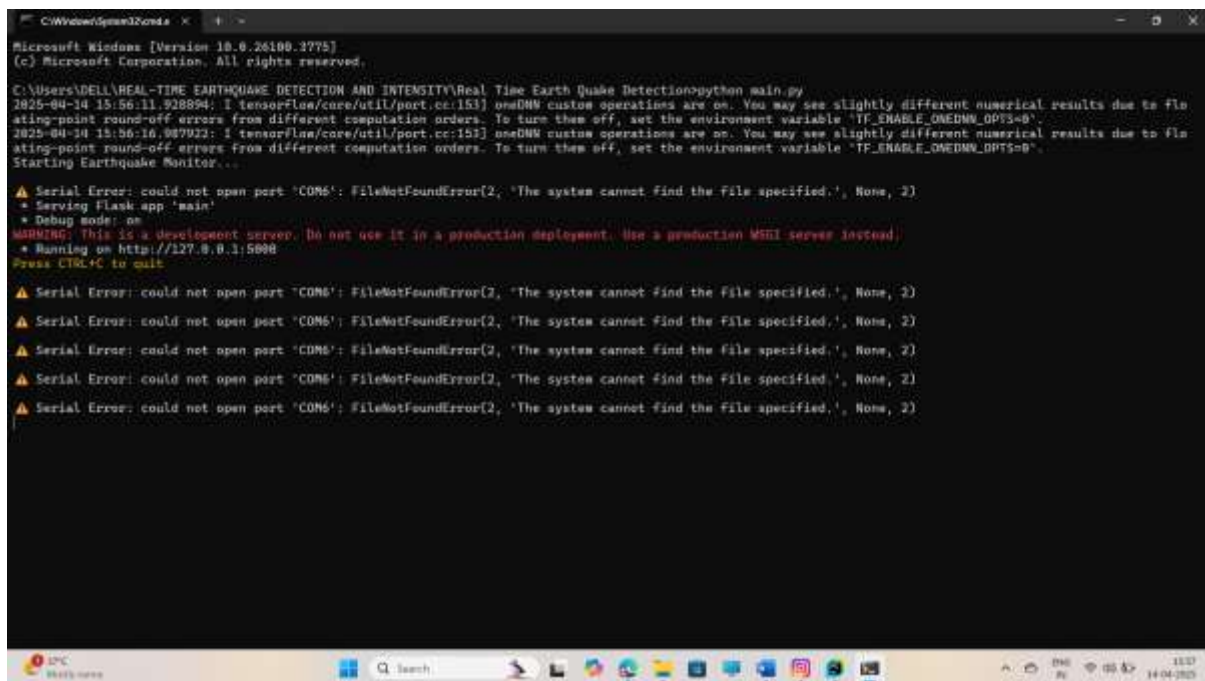
PyCharm:



Running will start by clicking run button on top or by command “**shift+F10**”

OR

In CMD:



```
Microsoft Windows [Version 10.0.22H00.2775]
(c) Microsoft Corporation. All rights reserved.

C:\Users\DELL\REAL-TIME EARTHQUAKE DETECTION AND INTENSITY\Real Time Earth Quake Detection>python main.py
2025-04-14 15:56:11.928894: I tensorflow/core/util/port.cc:151] 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'.
2025-04-14 15:56:16.987923: I tensorflow/core/util/port.cc:151] 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'.
Starting Earthquake Monitor...

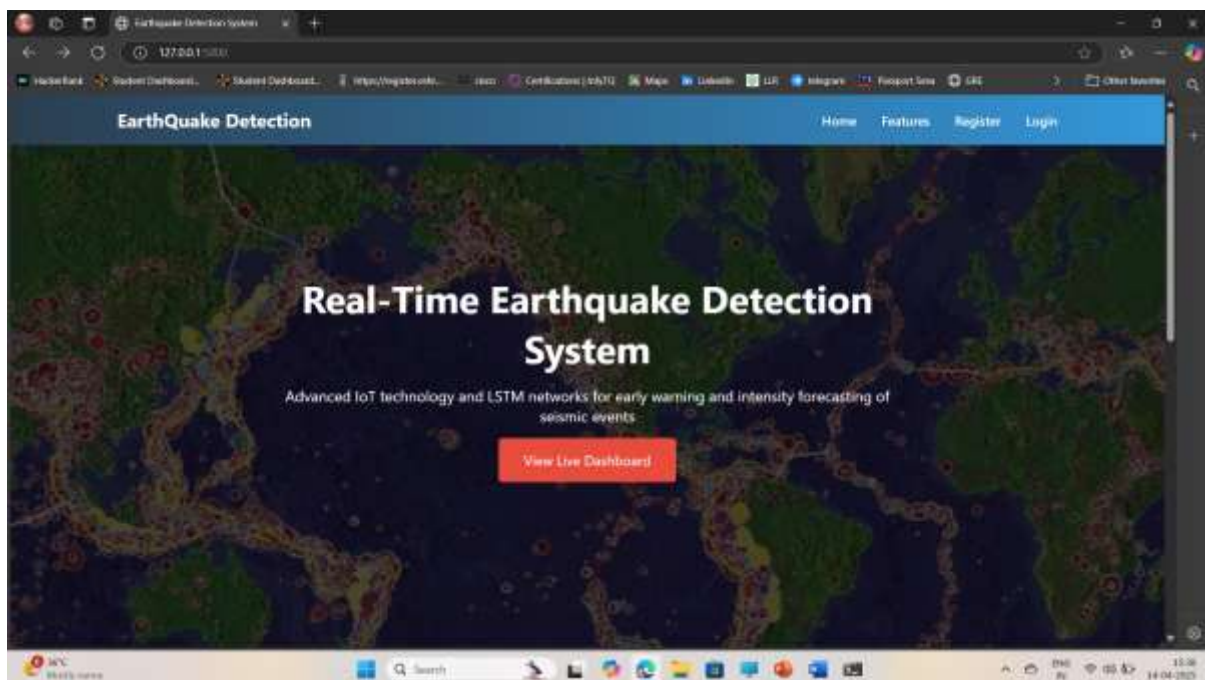
⚠ Serial Error: could not open port 'COM6': FileNotFoundError(2, 'The system cannot find the file specified.', None, 2)
* Serving Flask app 'main'
* Debug mode: on
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on http://127.0.0.1:5000
Press CTRL+C to quit

⚠ Serial Error: could not open port 'COM6': FileNotFoundError(2, 'The system cannot find the file specified.', None, 2)
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```

Command- “python main.py”

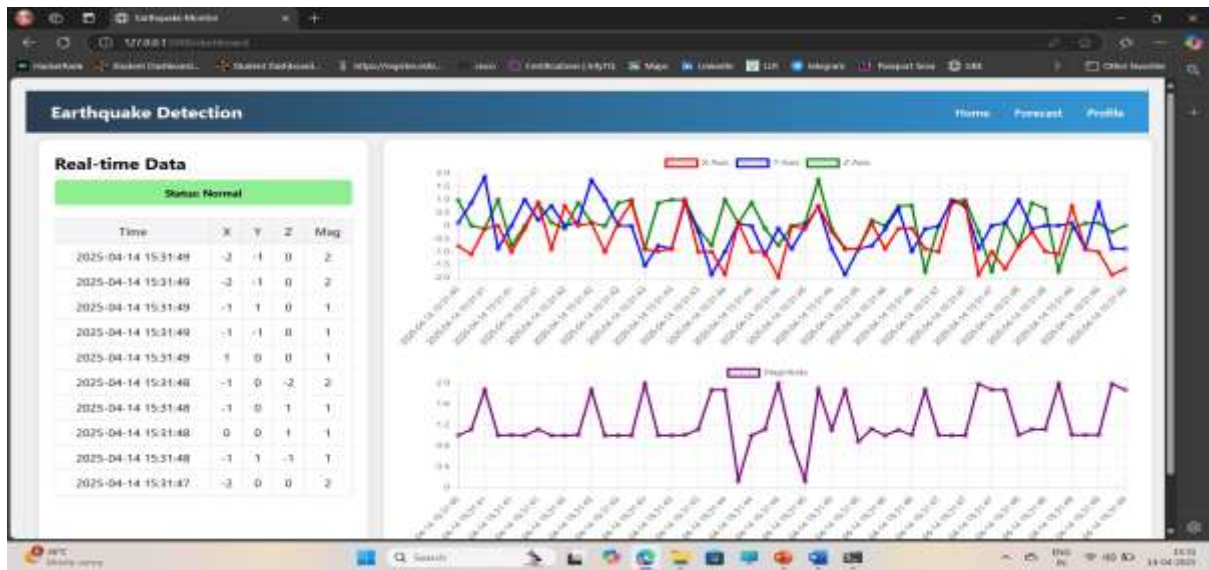
Step-04: Now we’ll get a deployment link which will take us to the web interface to our project.
Link is <https://127.0.0.1:5000>

Step-05: Now we can see the Landing Page

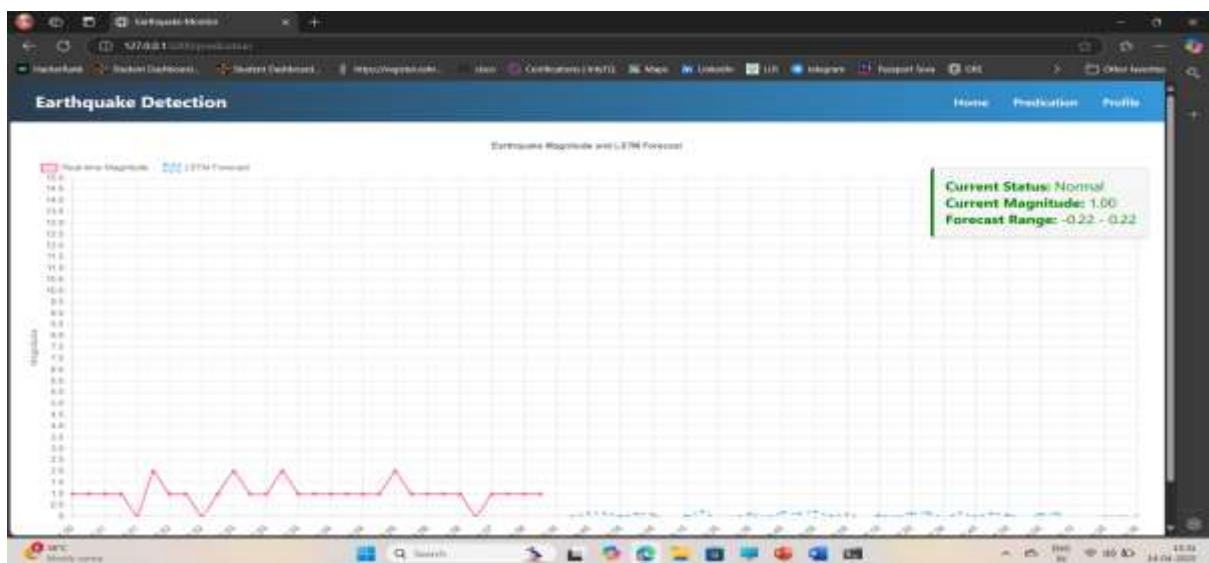


Landing Page

Step-06: We can register and login to visualize the **Real-Time Earthquake Detection and Intensity** graphs



Step-07: By clicking **Forecast** it redirect to Forecasting page where we can visualize 3hour forecasting page.



Step-08: To stop the running
In
CMD: Press “ctrl+c”
PyCharm: Press “stop” button.