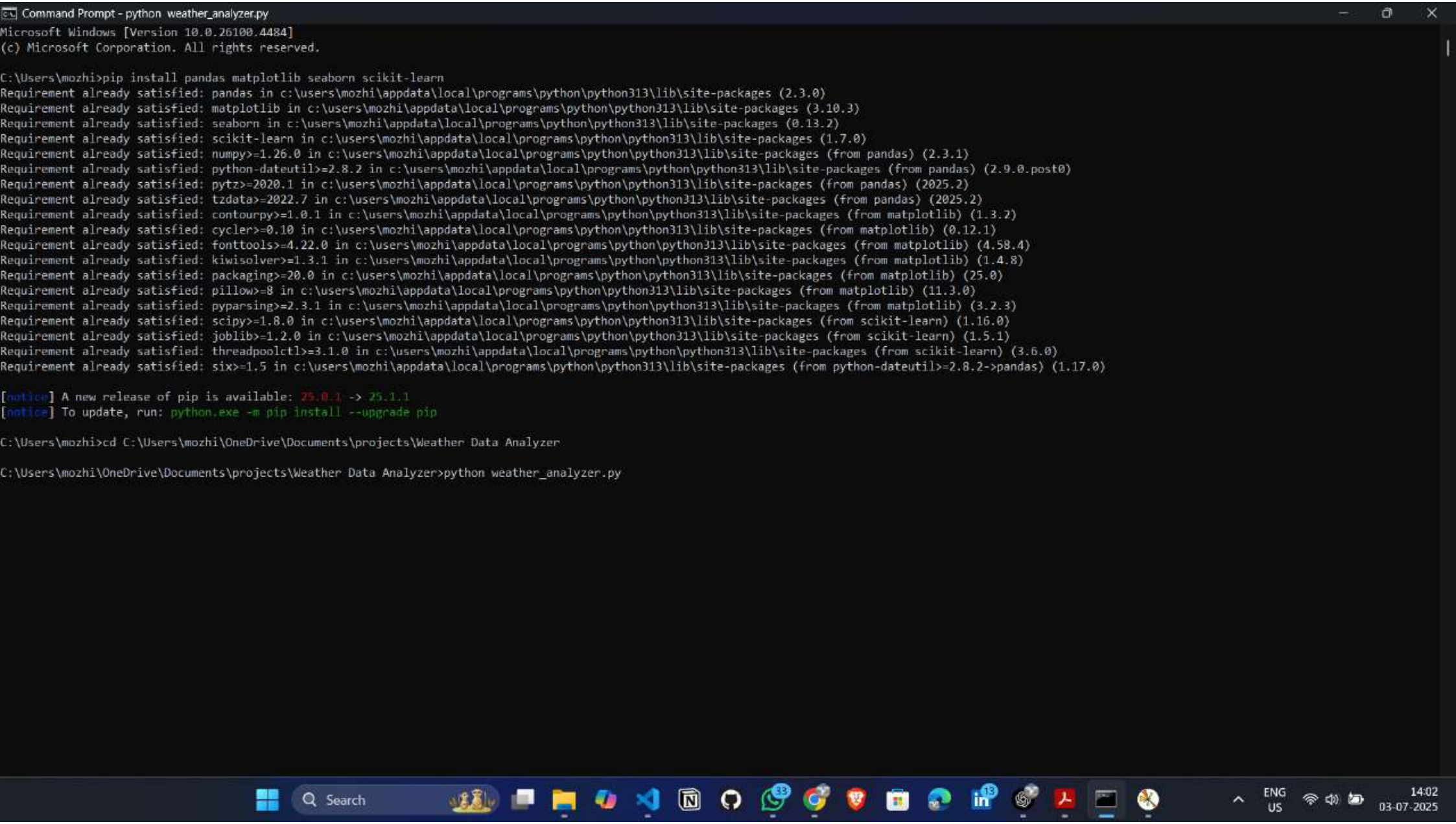
Command Prompt - python weather_analyzer.py
Microsoft Windows [Version 10.0.26100.4484]
(c) Microsoft Corporation. All rights reserved.
C:\Users\mozhi>pip install pandas matplotlib seaborn scikit-learn
Requirement already satisfied: pandas in c:\users\mozhi\appdata\local\programs\python\python313\lib\site-packages (2.3.0)
Requirement already satisfied: matplotlib in c:\users\mozhi\appdata\local\programs\python\python313\lib\site-packages (3.10.3)
Requirement already satisfied: seaborn in c:\users\mozhi\appdata\local\programs\python\python313\lib\site-packages (0.13.2)
Requirement already satisfied: scikit-learn in c:\users\mozhi\appdata\local\programs\python\python313\lib\site-packages (1.7.0)
Requirement already satisfied: numpy>=1.26.0 in c:\users\mozhi\appdata\local\programs\python\python313\lib\site-packages (from pandas) (2.3.1)
Requirement already satisfied: python-dateutil>=2.8.2 in c:\users\mozhi\appdata\local\programs\python\python313\lib\site-packages (from pandas) (2.9.0.post0)
Requirement already satisfied: pytz>=2020.1 in c:\users\mozhi\appdata\local\programs\python\python313\lib\site-packages (from pandas) (2025.2)
Requirement already satisfied: tzdata>=2022.7 in c:\users\mozhi\appdata\local\programs\python\python313\lib\site-packages (from pandas) (2025.2)
Requirement already satisfied: contourpy>=1.0.1 in c:\users\mozhi\appdata\local\programs\python\python313\lib\site-packages (from matplotlib) (1.3.2)
Requirement already satisfied: cycler>=0.10 in c:\users\mozhi\appdata\local\programs\python\python313\lib\site-packages (from matplotlib) (0.12.1)
Requirement already satisfied: fonttools>=4.22.0 in c:\users\mozhi\appdata\local\programs\python\python313\lib\site-packages (from matplotlib) (4.58.4)
Requirement already satisfied: kiwisolver>=1.3.1 in c:\users\mozhi\appdata\local\programs\python\python313\lib\site-packages (from matplotlib) (1.4.8)
Requirement already satisfied: packaging>=20.0 in c:\users\mozhi\appdata\local\programs\python\python313\lib\site-packages (from matplotlib) (25.0)
Requirement already satisfied: pillow>=8 in c:\users\mozhi\appdata\local\programs\python\python313\lib\site-packages (from matplotlib) (11.3.0)
Requirement already satisfied: pyparsing>=2.3.1 in c:\users\mozhi\appdata\local\programs\python\python313\lib\site-packages (from matplotlib) (3.2.3)
Requirement already satisfied: scipy>=1.8.0 in c:\users\mozhi\appdata\local\programs\python\python313\lib\site-packages (from scikit-learn) (1.16.0)
Requirement already satisfied: joblib>=1.2.0 in c:\users\mozhi\appdata\local\programs\python\python313\lib\site-packages (from scikit-learn) (1.5.1)
Requirement already satisfied: threadpoolctl>=3.1.0 in c:\users\mozhi\appdata\local\programs\python\python313\lib\site-packages (from scikit-learn) (3.6.0)
Requirement already satisfied: six>=1.5 in c:\users\mozhi\appdata\local\programs\python\python313\lib\site-packages (from python-dateutil>=2.8.2->pandas) (1.17.0)
[notice] A new release of pip is available: 25.0.1 -> 25.1.1
[notice] To update, run: python.exe -m pip install --upgrade pip
C:\Users\mozhi>cd C:\Users\mozhi\OneDrive\Documents\projects\Weather Data Analyzer
C:\Users\mozhi\OneDrive\Documents\projects\Weather Data Analyzer>python weather_analyzer.py
Search
ENG
US
14:02
03-07-2025

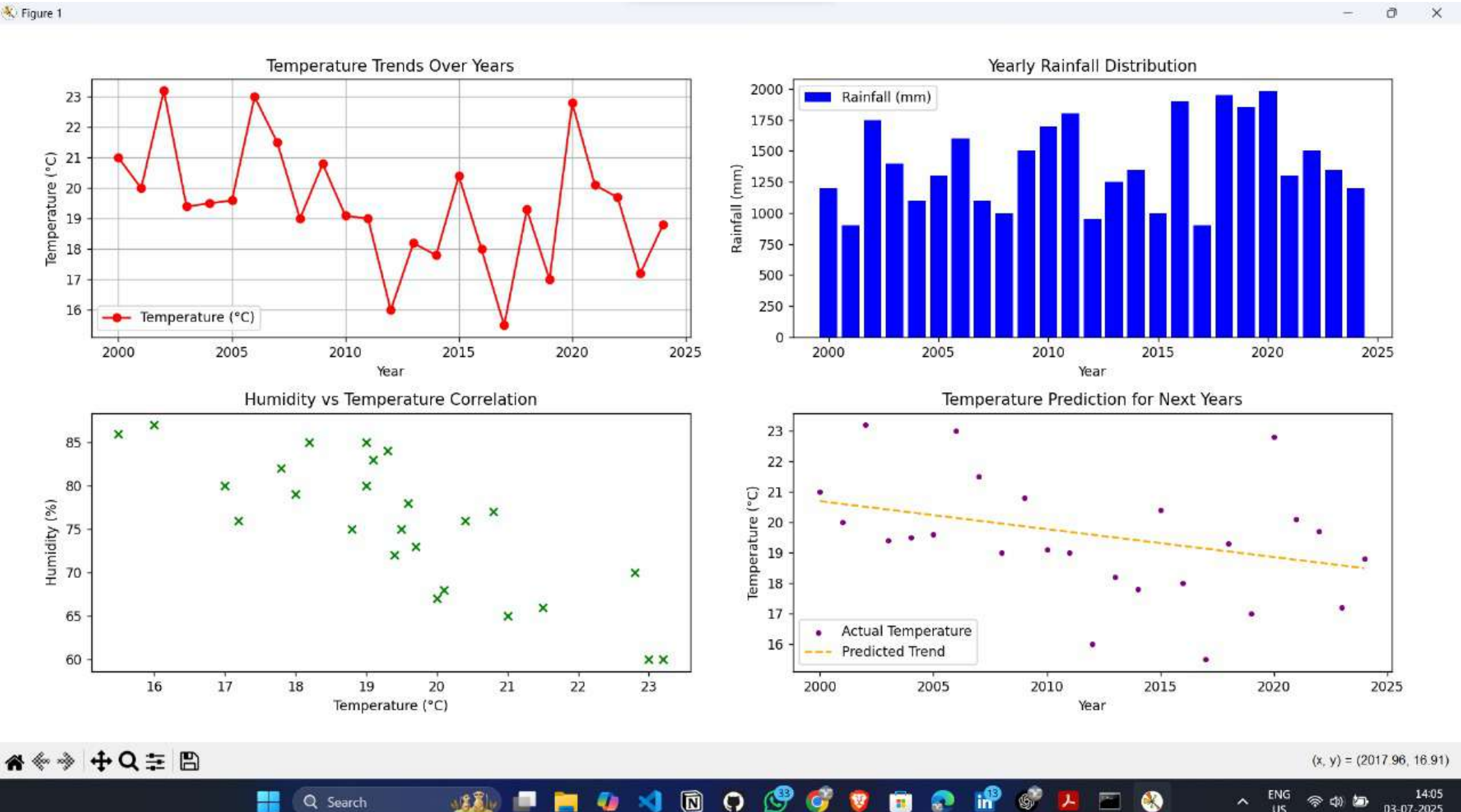
Figure 1
Temperature Trends Over Years
Temperature (°C)
Year
Temperature (°C)
Yearly Rainfall Distribution
Rainfall (mm)
Rainfall (mm)
Year
Humidity vs Temperature Correlation
Humidity (%)
Temperature (°C)
Temperature Prediction for Next Years
Temperature (°C)
Year
Actual Temperature
Predicted Trend
(x, y) = (2017.96, 16.91)
Search
ENG
US
14:05
03-07-2025