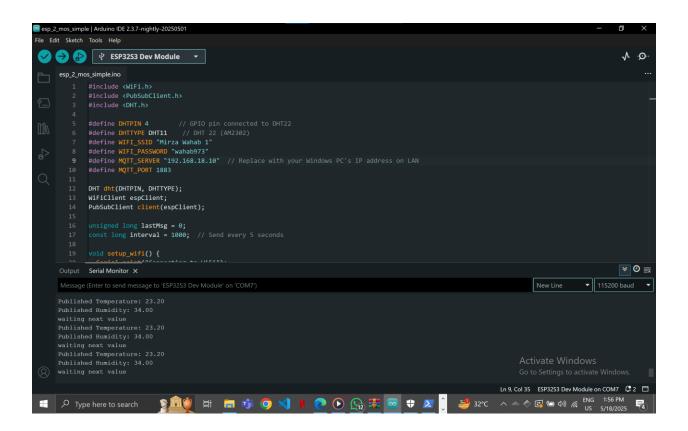
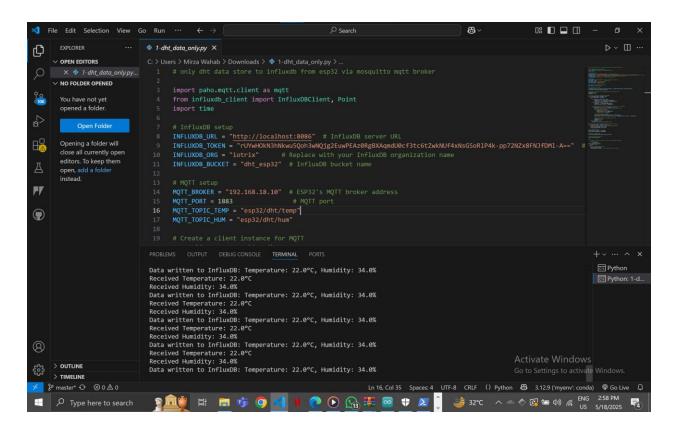
LAB:13 IOT

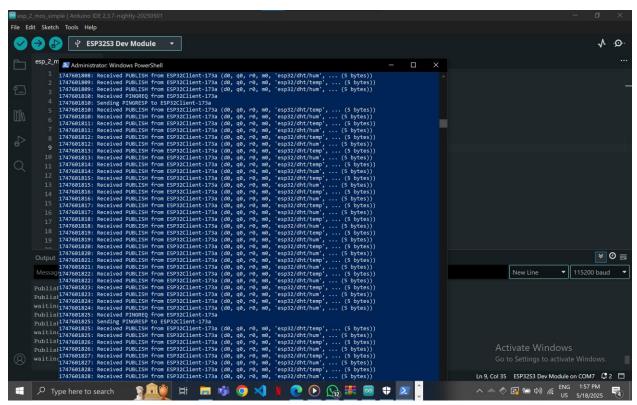
ABDUL WAHAB

22-NTU-CS-1337

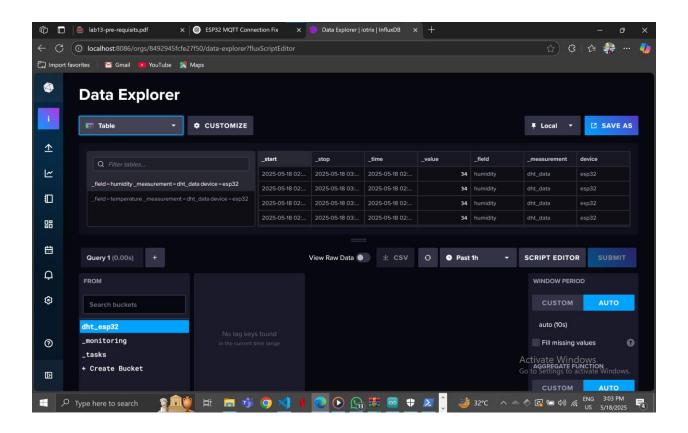
1. Run the Arduino-based code to **publish DHT sensor data to the Mosquitto MQTT broker**.



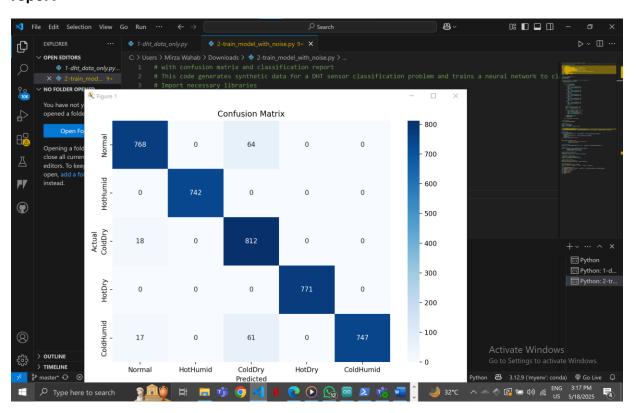




2. Execute the Python script 1-dht_data_only.py to **store MQTT data in InfluxDB**.



3. Run 2-train_model_with_noise.py and record the confusion matrix and classification report



Classificatio	n Report: precision	recall	f1-score	support	
0	0.8957	0.9700	0.9313	832	
1	0.9987	1.0000	0.9993	742	
2	0.9415	0.9506	0.9460	830	
3	1.0000	1.0000	1.0000	771	
4	1.0000	0.9055	0.9504	825	
accuracy			0.9640	4000	
macro avg	0.9672	0.9652	0.9654	4000	
weighted avg	0.9659	0.9640	0.9642	4000	

4. Execute 3-classify_2_influx.py and **verify InfluxDB data** for temperature, humidity, and classification results

