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In [1]: import pandas as pd
import matplotlib.pyplot as plt

# Load the CSV file (make sure to update the file path)
file_path = "nimran.csv" # Change this if needed
df = pd.read_csv(file_path, encoding="ISO-8859-1")

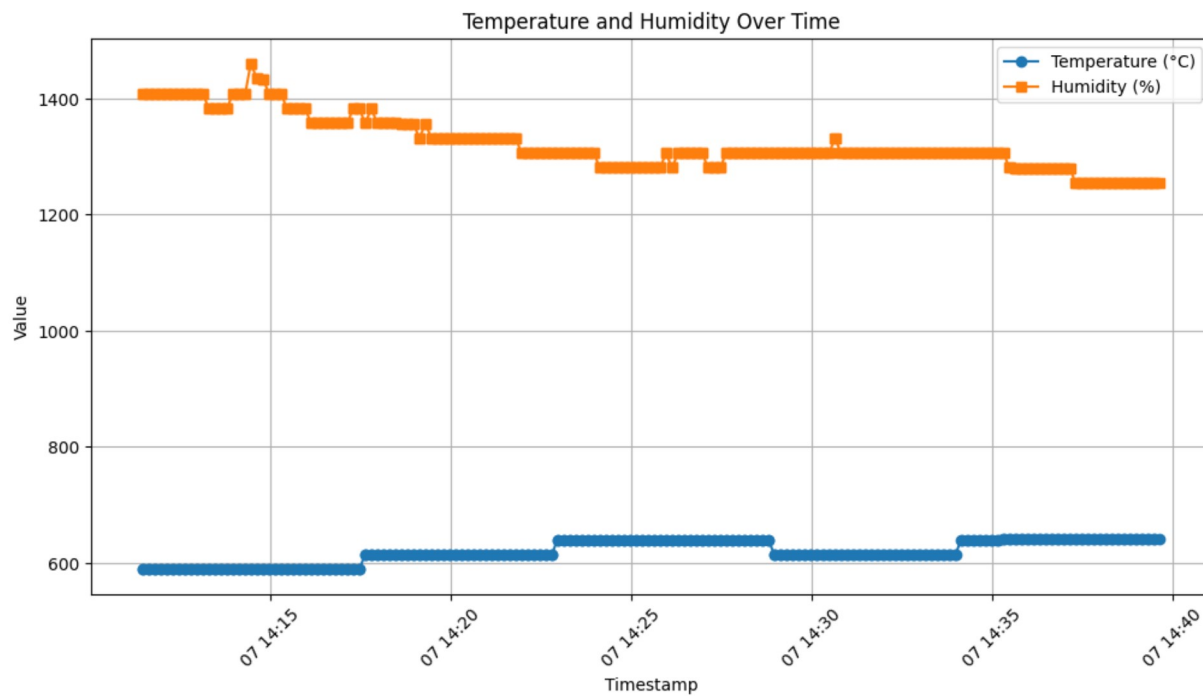
# Function to extract numerical values from SensorData column
def parse_sensor_data(value):
    try:
        if "Temperature" in value and "Humidity" in value:
            parts = value.replace("°C", "").replace("%", "").split(",")
            temp = float(parts[0].split(":")[1].strip())
            humidity = float(parts[1].split(":")[1].strip())
        else:
            temp, humidity = map(float, value.split(","))
        return pd.Series([temp, humidity])
    except:
        return pd.Series([None, None])

# Apply parsing function
df[["Temperature", "Humidity"]] = df["SensorData"].apply(parse_sensor_data)

# Convert Timestamp to datetime
df["Timestamp"] = pd.to_datetime(df["Timestamp"])

# Drop rows with missing values
df = df.dropna()

# Plot the data
plt.figure(figsize=(12, 6))
plt.plot(df["Timestamp"], df["Temperature"], label="Temperature (°C)", marker="o")
plt.plot(df["Timestamp"], df["Humidity"], label="Humidity (%)", marker="s")
plt.xlabel("Timestamp")
plt.ylabel("Value")
plt.title("Temperature and Humidity Over Time")
plt.legend()
plt.xticks(rotation=45)
plt.grid()
plt.show()
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In [ ]: