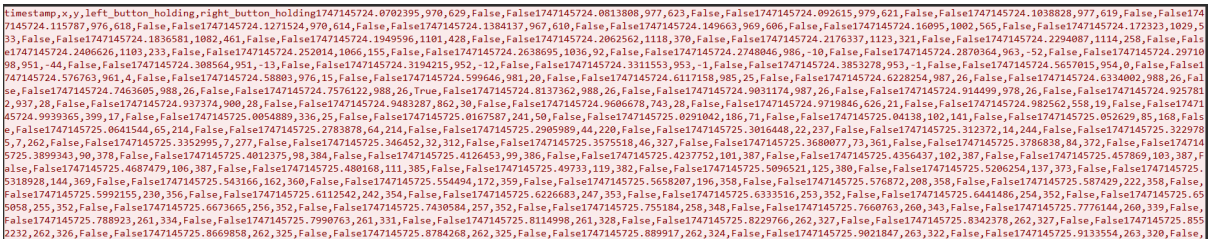
Looking through packets, I found ONLY 1 UPD Stream. If we follow the stream, we can see a bunch of track data :



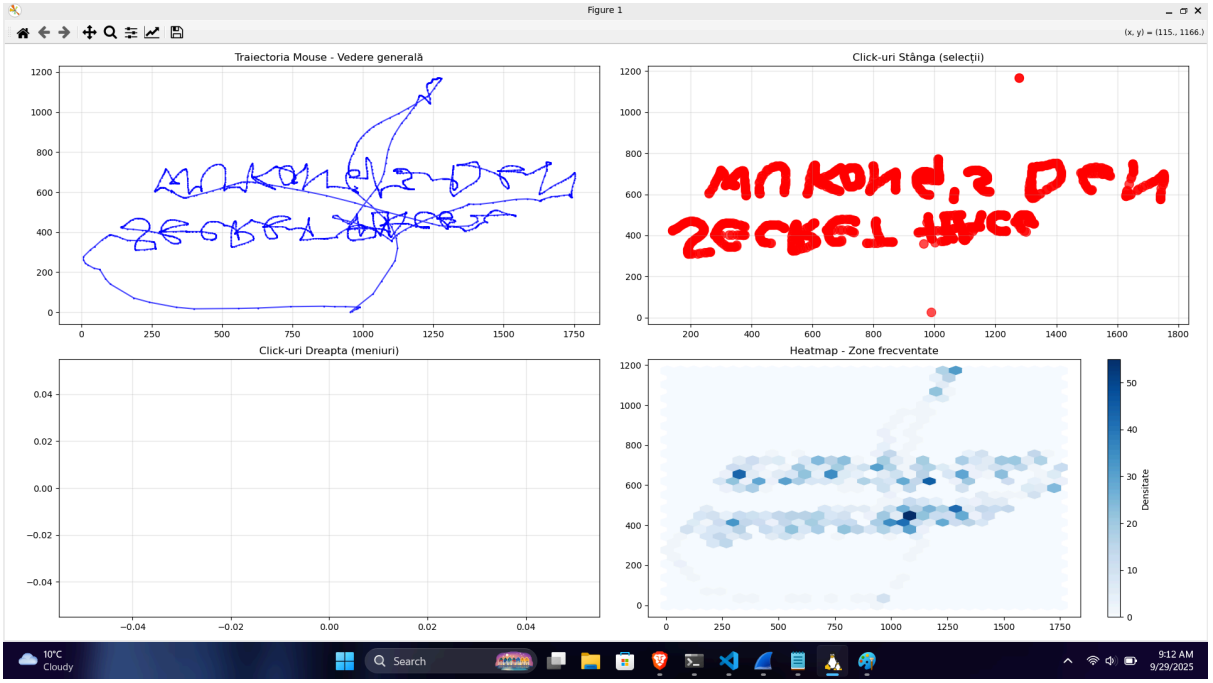
The idea is to draw this track data and get the flag thanks to this code :

```
import re
import pandas as pd
import matplotlib.pyplot as plt
import numpy as np

data =
"timestamp,x,y,left_button_holding,right_button_holding1747145724.07023
95,970,629,False,False1747145724.0813808,977..."
matches =
re.findall(r'(\d+\.\d+),(\d+),(\d+),(False|True),(False|True)', data)
df = pd.DataFrame(matches, columns=['timestamp', 'x', 'y',
'left_button', 'right_button'])

df['timestamp'] = df['timestamp'].astype(float)
df['x'] = df['x'].astype(int)
df['y'] = df['y'].astype(int)
df['left_button'] = df['left_button'] == 'True'
df['right_button'] = df['right_button'] == 'True'

print(f"🔍 Analizând {len(df)} puncte pentru pattern-ul Zodiac
Killer...")

plt.figure(figsize=(15, 10))

plt.subplot(2, 2, 1)
plt.plot(df['x'], df['y'], 'b.-', markersize=2, alpha=0.7)
plt.title('Traiectoria Mouse - Vedere generală')
plt.grid(True, alpha=0.3)

plt.subplot(2, 2, 2)
plt.scatter(df[df['left_button']]['x'], df[df['left_button']]['y'],
            c='red', s=100, alpha=0.7)
plt.title('Click-uri Stânga (selecții)')
plt.grid(True, alpha=0.3)
```

```
plt.subplot(2, 2, 3)
plt.scatter(df[df['right_button']]['x'], df[df['right_button']]['y'],
           c='green', s=100, alpha=0.7, marker='s')
plt.title('Click-uri Dreapta (meniuri)')
plt.grid(True, alpha=0.3)

plt.subplot(2, 2, 4)
plt.hexbin(df['x'], df['y'], gridsize=30, cmap='Blues')
plt.colorbar(label='Densitate')
plt.title('Heatmap - Zone frecventate')

plt.tight_layout()
plt.show()

click_points = df[df['left_button'] | df['right_button']]
if not click_points.empty:
    print("📍 Puncte cu click-uri:")
    for idx, row in click_points.iterrows():
        print(f"   ({row['x']}, {row['y']}) - Left:
{row['left_button']}, Right: {row['right_button']}")

print(f"\n🔢 Range coordonate: X({df['x'].min()}-{df['x'].max()}),
Y({df['y'].min()}-{df['y'].max()})")

from scipy import stats

coords = df[['x', 'y']].values
if len(coords) > 10:
    from sklearn.cluster import KMeans
    kmeans = KMeans(n_clusters=min(5, len(coords)//10))
    df['cluster'] = kmeans.fit_predict(coords)

    plt.figure(figsize=(10, 8))
    scatter = plt.scatter(df['x'], df['y'], c=df['cluster'],
cmap='tab10', alpha=0.6)
    plt.colorbar(scatter, label='Cluster')
    plt.title('Cluster-uri de activitate')
    plt.show()

print("\n💾 Exportând coordonatele importante...")
important_points = df[df['left_button'] | df['right_button'] |
(df['x'].diff().abs() > 50) | (df['y'].diff().abs() > 50)]
```

```
if not important_points.empty:
    print("📝 Puncte importante (click-uri sau salturi mari):")
    for idx, row in important_points.iterrows():
        print(f"   Timestamp: {row['timestamp']:.2f}, Pos: ({row['x']},
{row['y']}), "
              f"Left: {row['left_button']}, Right:
{row['right_button']}")
```

It’s not necessary the whole code anyway, but you can visualise the flag in 4 methods. The output is :



We got the flag. We can see that it’s vertical flipped. If we paste the text from the top right into paint and flip it, we can get the flag :

THE FLAG : ctf{secretplacewukong'sden} (or ctf{secretplacewukong'sden})
~Z4que