BHASKARACHARYA NATIONAL INSTITUTE FOR SPACE APPLICATIONS AND GEO-INFORMATICS

WEEKLY PROGRESS REPORT (15/01/2026 – 21/01/2026)

WEEK 3	
PROJECT NAME	Monitoring and change detection system using OSINT

PROJECT DESCRIPTION :	CREATING OSINT TOOL FOR MONITORING AND CHANGE DETECTION SYSTEM BY MONITORING PUBLICLY AVAILABLE INFORMATION.
GROUP MEMBER :	Harshil Vaniya, Shalomo Agarwarkar, Vrushank Thakkar
GROUP ID :	2026G195
GROUP GUIDE :	CHASIYA KRUTIKA
GROUP COORDINATOR :	SIDHDHARTH PATEL
COLLEGE GUIDE NAME :	BHUMIKA DOSHI
COLLEGE GUIDE No. :	9016888925
COLLEGE GUIDE EMAIL. :	BHUMIKASDOSHI@GMAIL.COM
COLLEGE NAME :	DEPT. OF BIOCHEMISTRY AND FORENSICS SCIENCE, GUJARAT UNIVERSITY

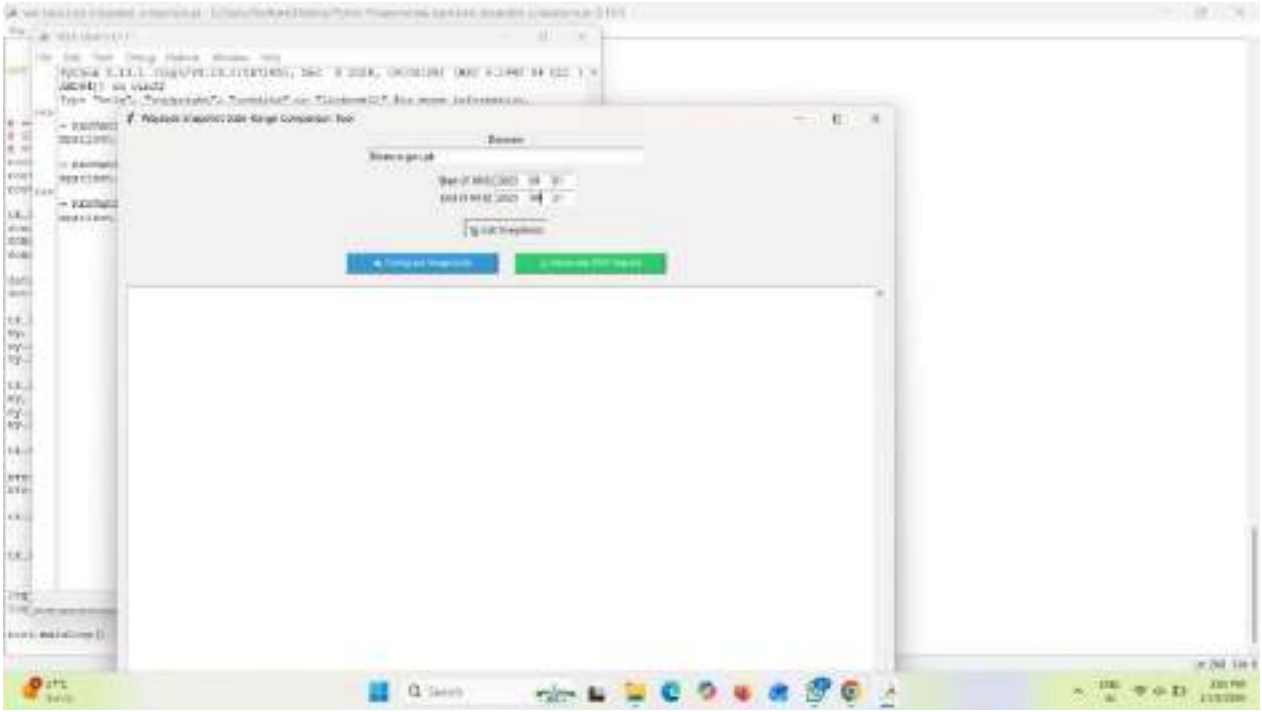
15/01/2026	• **Started coding for Wayback tool (Vrushank Thakkar)** • **VirusTotal integration and API research (Vaniya Harshil)** • **Analysed a live flight tracking website to gather intelligence (Shalomo Agarwarkar)**
16/01/2026	• **Global Normalization rules research (Vaniya Harshil, Vrushank Thakkar)** • **Tried creating an automation tool to get results and compare them using Wayback (Vrushank Thakkar, Harshil Vaniya)** • **Blockchain transaction request analysis (Shalomo Agarwarkar)**
17/01/2026	• **Web domain enumeration coding for module creation later (Vrushank Thakkar)** • **Integration of multiple enumeration tools (Shalomo Agarwarkar)** • **ZAP Integration Research (Harshil Vaniya)**
18/01/2026	**Holiday (Sunday)**
19/01/2026	• **Project base structure setup using VSCode (Vrushank Thakkar, Harshil Vaniya)** • **Blockchain transaction module creation (Shalomo Agarwarkar)**
20/01/2026	• **Python base structure studying (Vrushank Thakkar, Harshil Vaniya)** • **Researching automation using Linux Cron (Shalomo Agarwarkar)**
21/01/2026	• **On Full Day Leave(Vaniya Harshil, Shalomo Agarwarkar, Vrushank Thakkar)**

Next Week Plan	**Creating modules for other features**

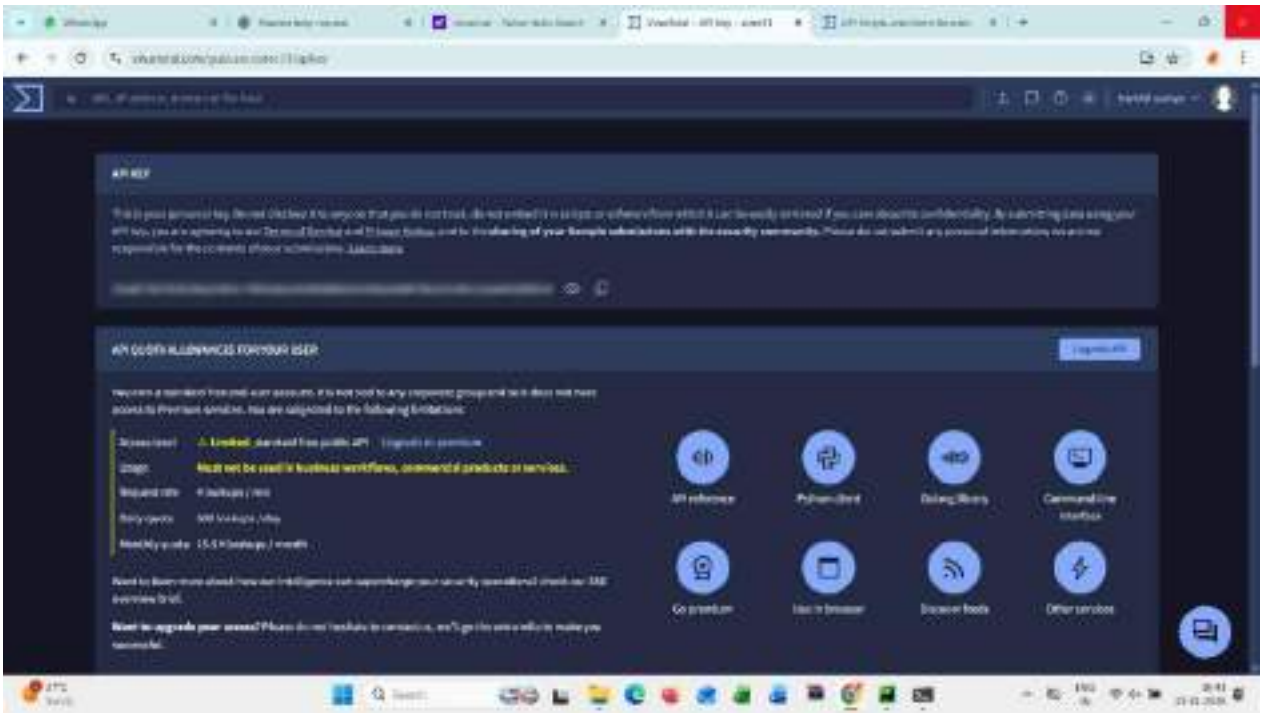
REFERENCE:

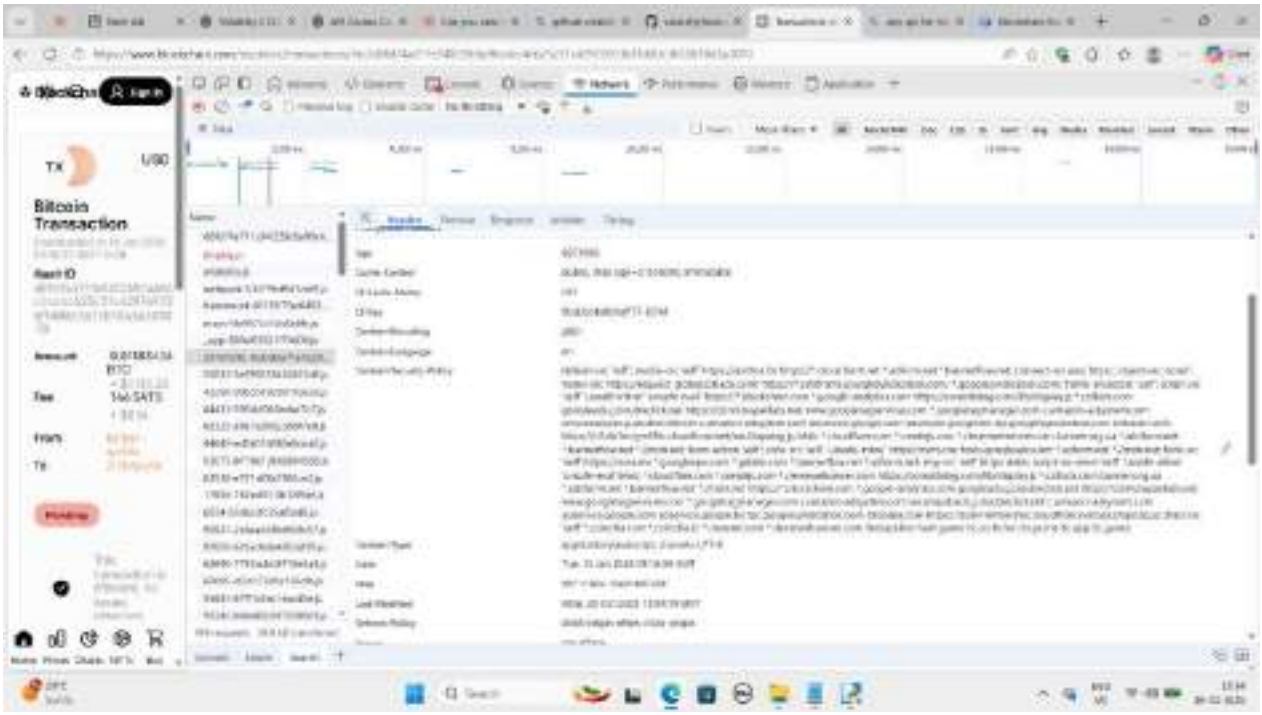
- https://www.geeksforgeeks.org/linux-unix/subfinder-tool-in-linux/
- https://www.flightradar24.com/19.93,80.23/5
- https://www.blockchain.com/
- https://docs.python-guide.org/writing/structure/
- https://www.zaproxy.org/docs/api/?python#quick-setup-guide

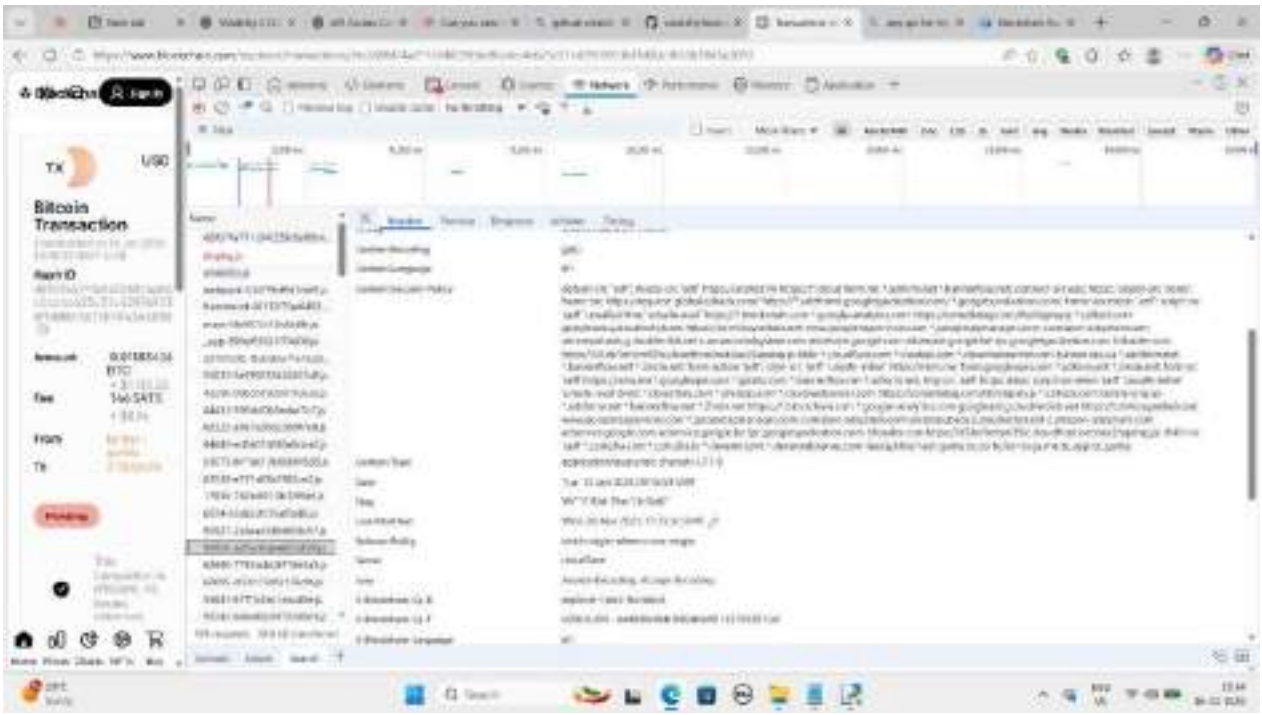
SCREEN SHOTS:

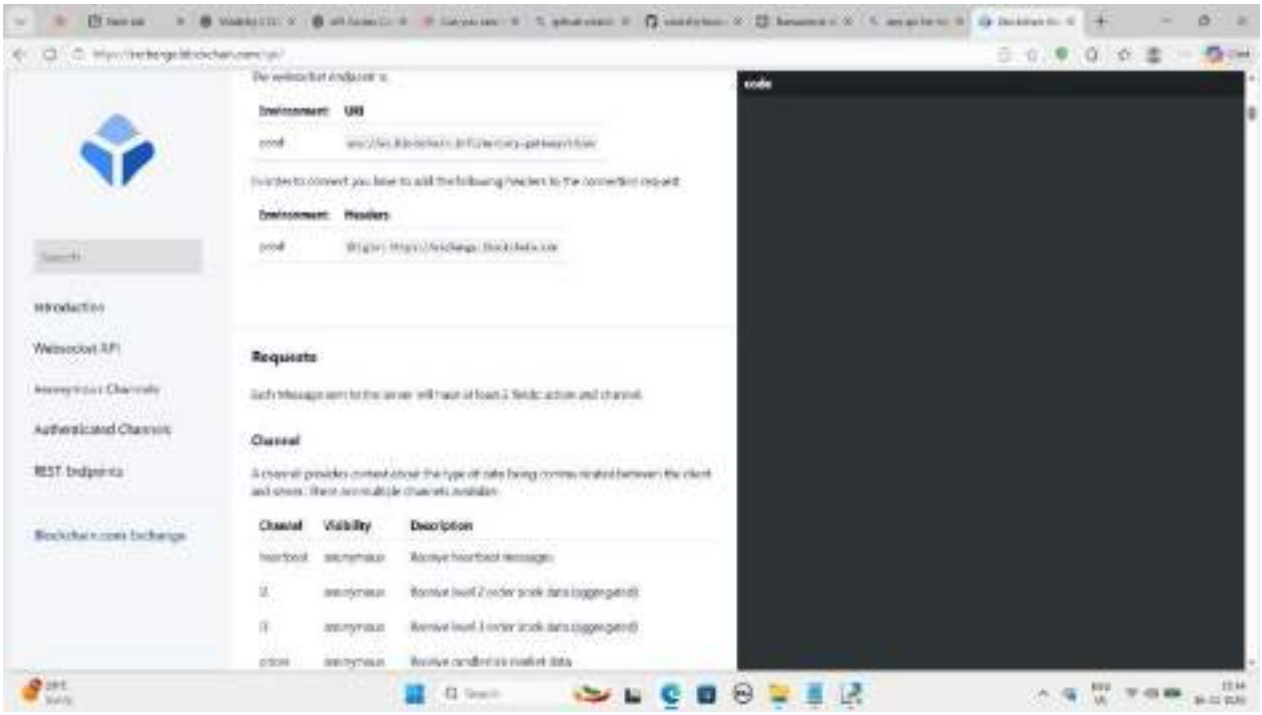


flightradar24
MCT
BKK
Boeing 787-9 Dreamliner
Passenger
Add coverage
Settings
Weather
Filters
Widgets
Playback
Upgrade now to go ad free

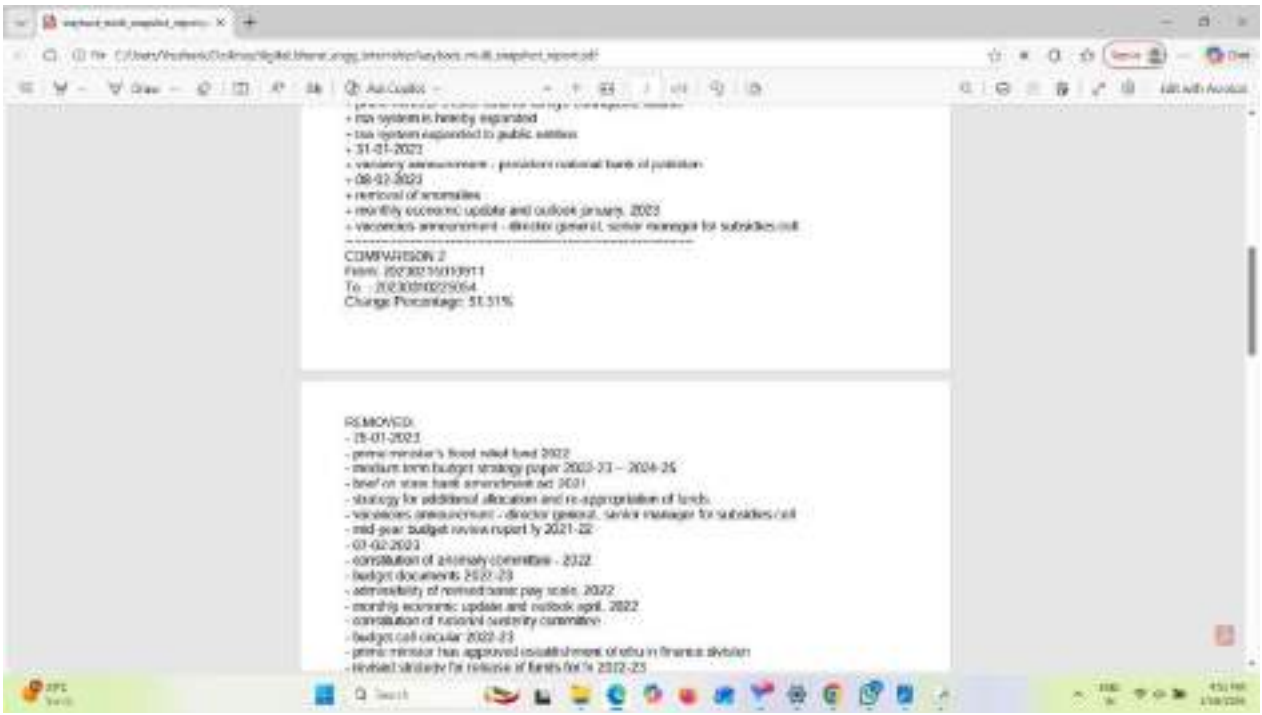

API KEY
API REFERENCE
PYTHON CLIENT
DOWNLOAD LIBRARY
COMMAND LINE INTERFACE
GO PREMIUM
USE IN BROWSER
BROWSER TOOLS
OTHER SERVICES

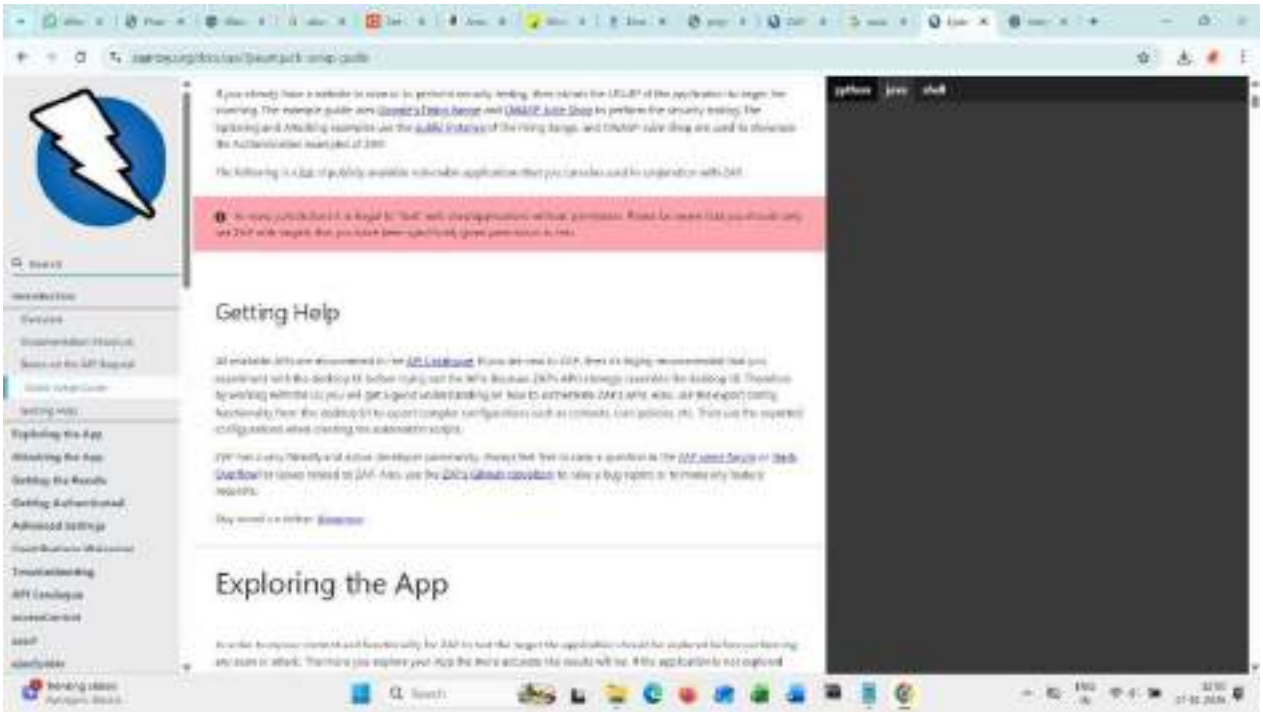

Bitcoin
Transaction

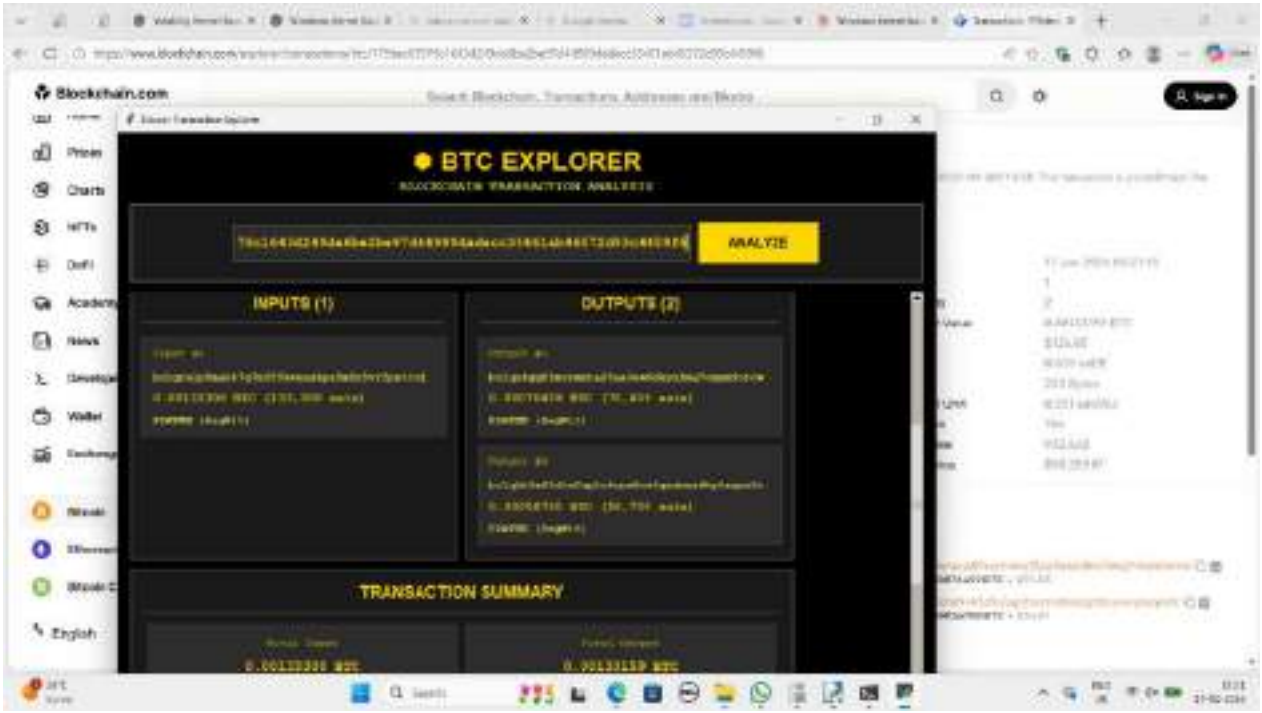

Bitcoin
Transaction

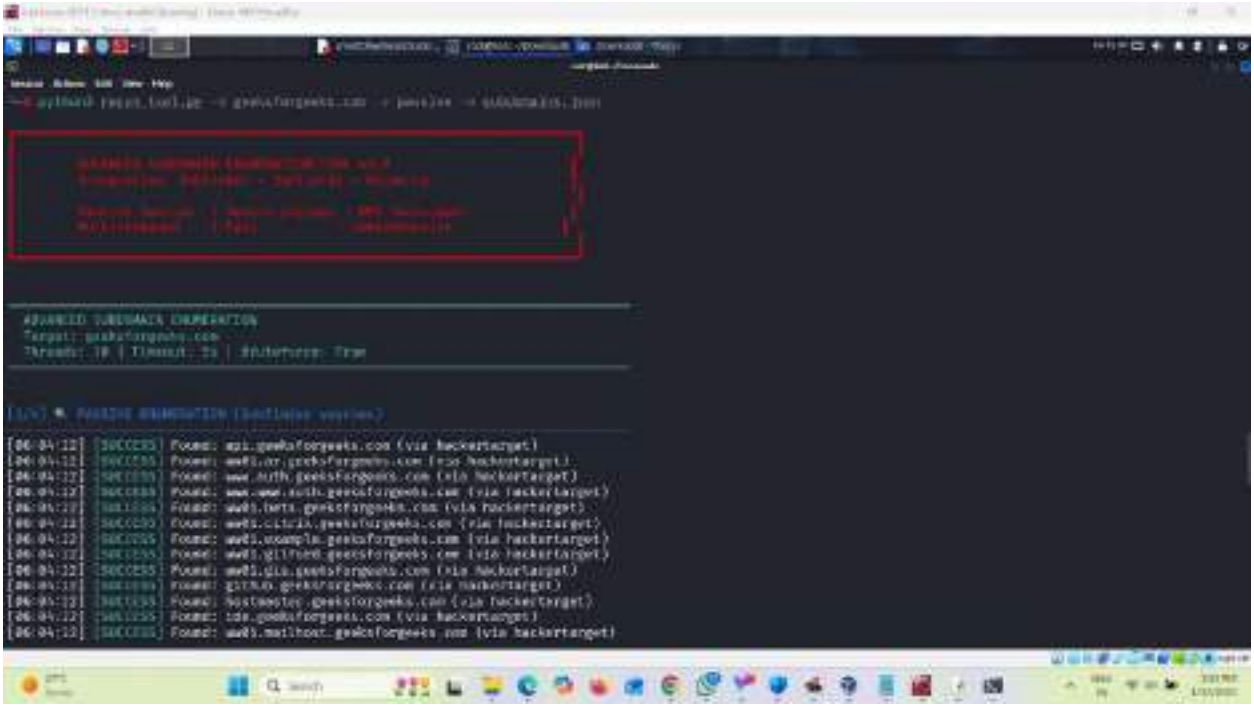

Environment
URI
Headers
Requests
Channel
Visibility
Description
Introduction
Authenticated Channels
REST Endpoints
Blockchain.com Exchange

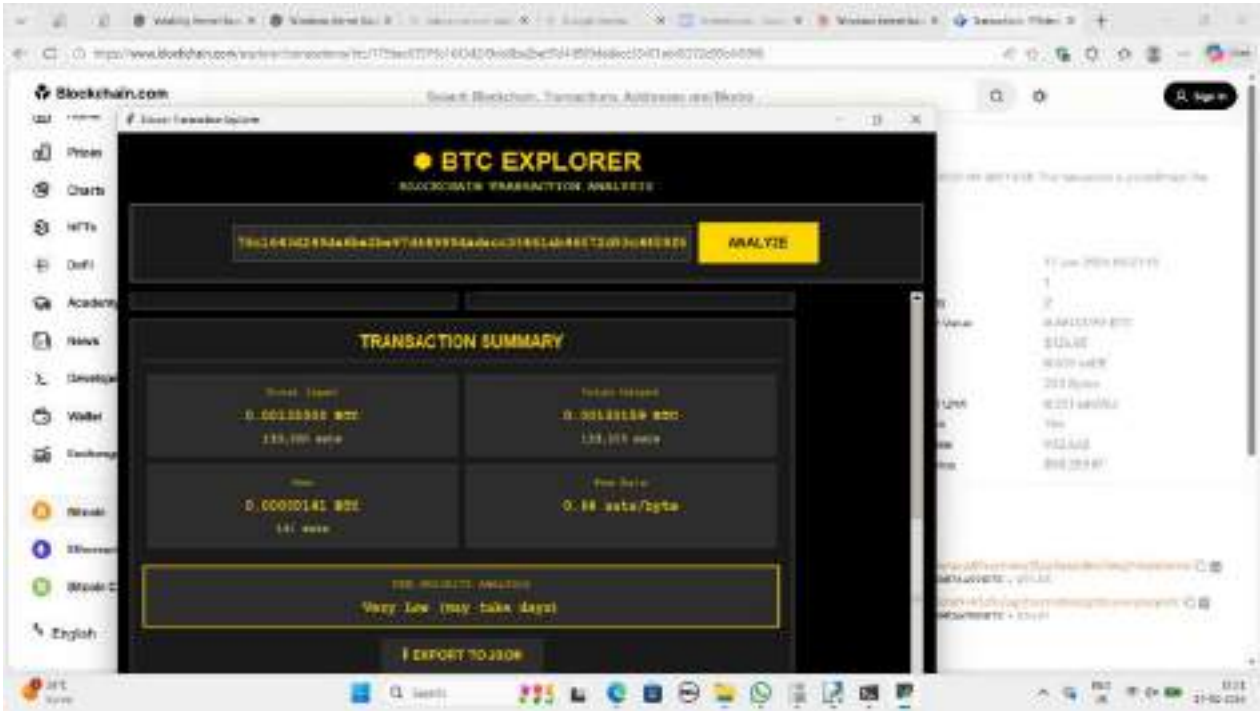
ChatGPT
4. Ignore dynamic attributes (CRITICAL)
Attribute blacklist (extend as needed)
Clean attributes

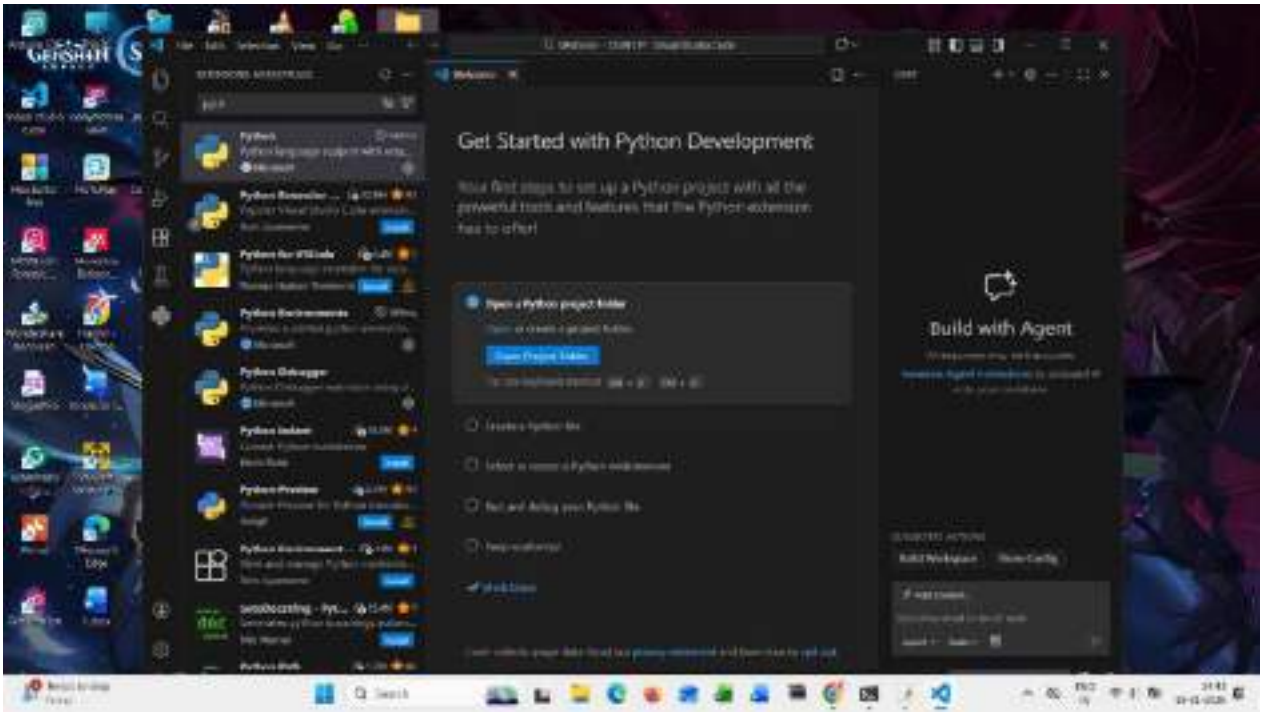

+ tax system is heavily expanded
+ tax system expanded to public entities
+ 31-01-2022
+ 08-02-2023
+ removal of anomalies
+ monthly economic update and outlook january, 2023
COMPARISON 2
Change Percentage: 51.51%
REMOVED:
- 15-01-2023
- budget documents 2022-23
- monthly economic update and outlook april, 2022
- budget call circular 2022-23

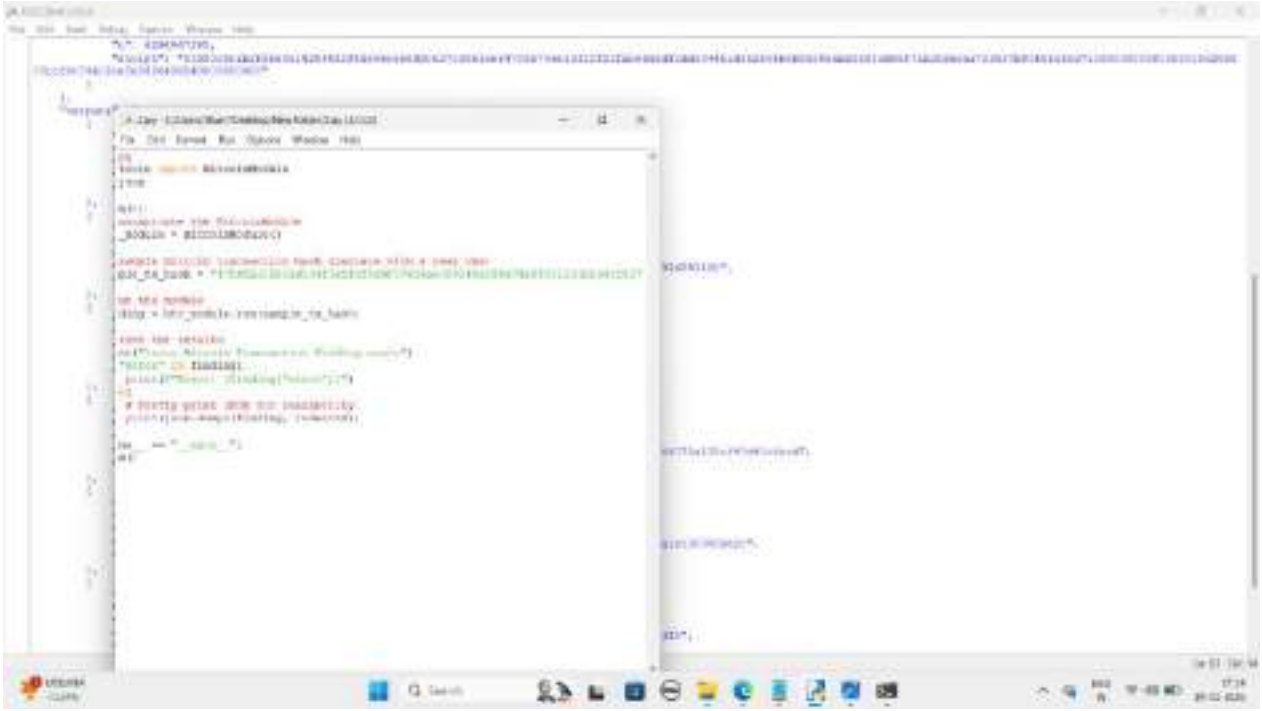

Getting Help
Exploring the App

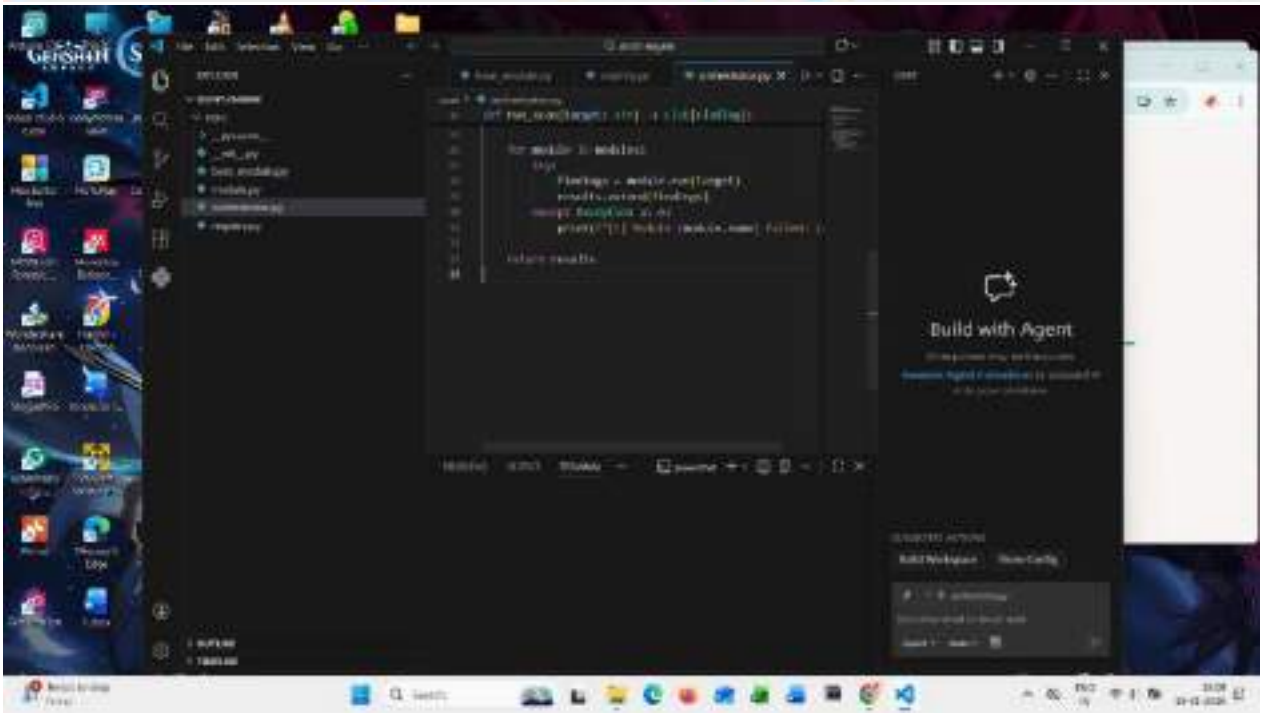

Blockchain.com
BTC EXPLORER
ANALYZE
INPUTS (1)
OUTPUTS (2)
TRANSACTION SUMMARY

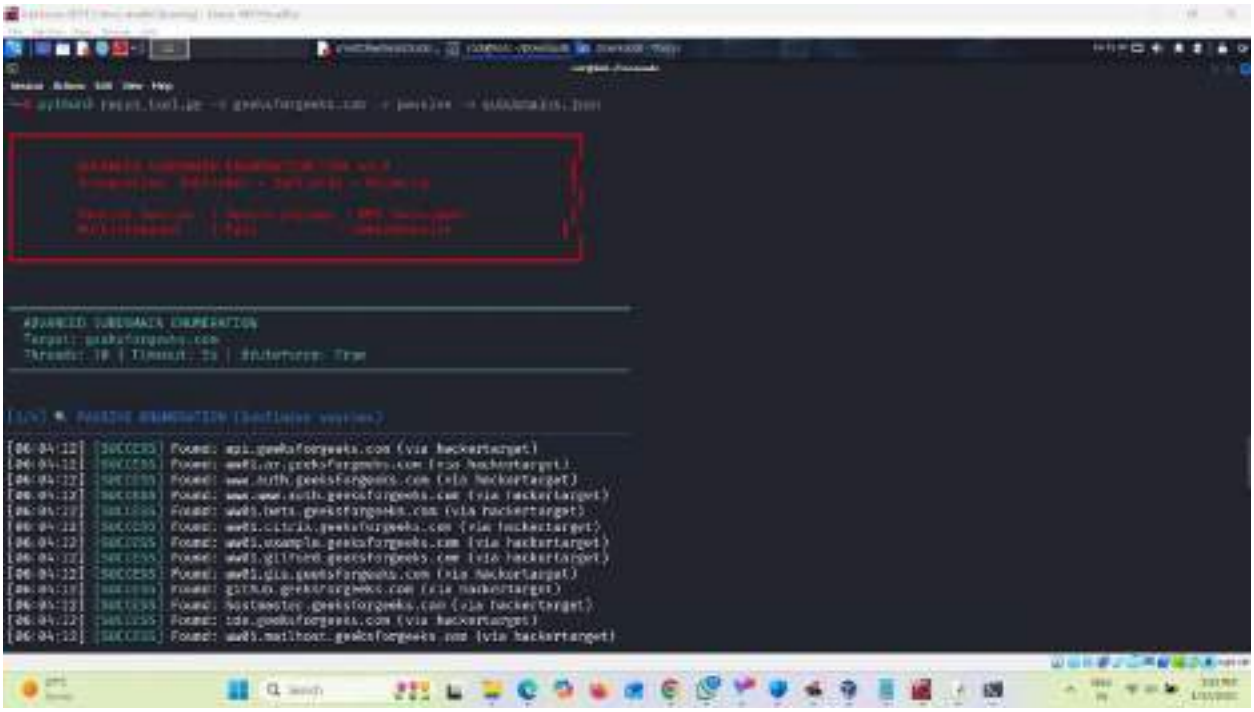

ADVANCED SUBDOMAIN ENUMERATION
Found: api.geeksforgeeks.com (via hackertarget)
Found: aws1.usample.geeksforgeeks.com (via hackertarget)
Found: aws1.gitlab.geeksforgeeks.com (via hackertarget)
Found: aws1.gla.geeksforgeeks.com (via hackertarget)
Found: mailhost.geeksforgeeks.com (via hackertarget)

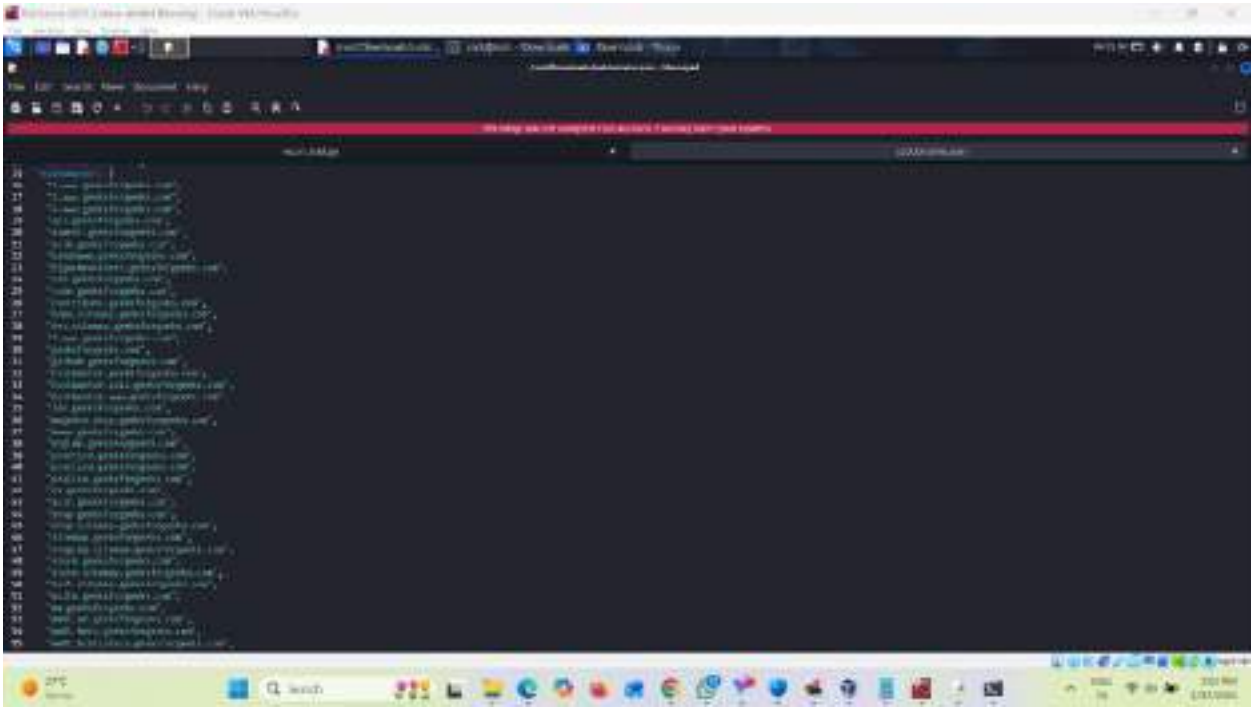

Blockchain.com
BTC EXPLORER
ANALYZE
TRANSACTION SUMMARY
Very Low (may take days)
EXPORT TO JSON

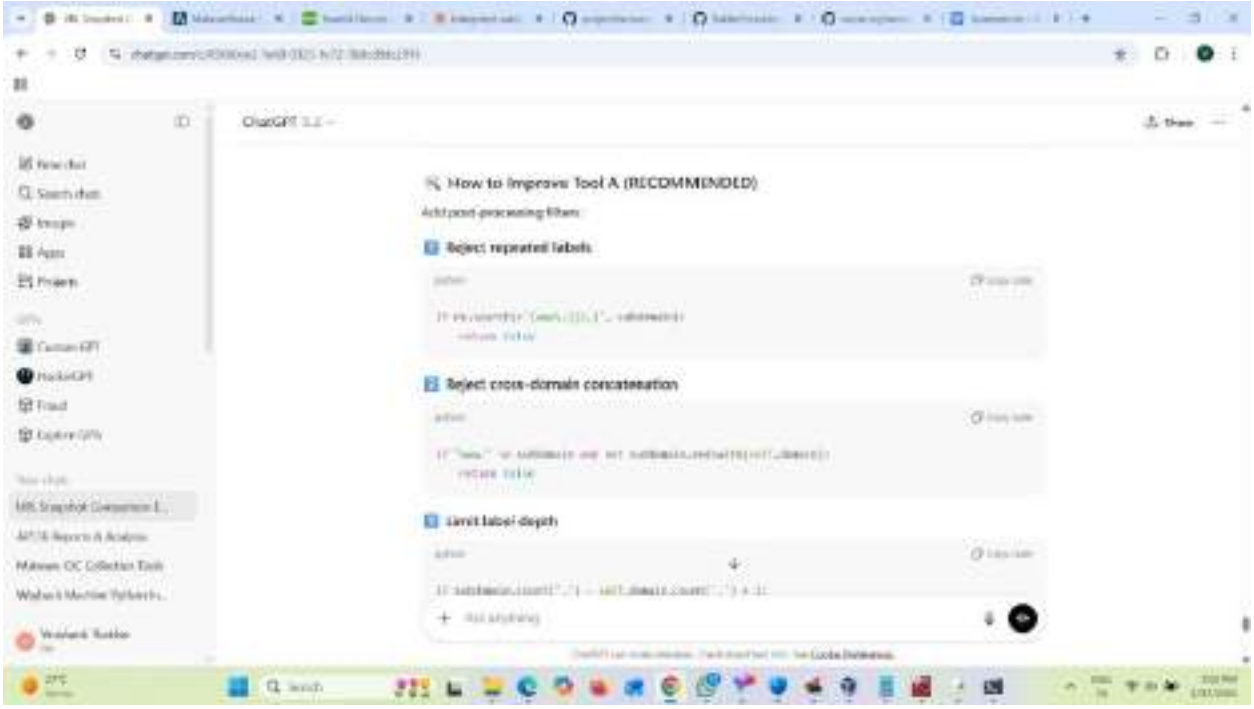

Get Started with Python Development
Build with Agent

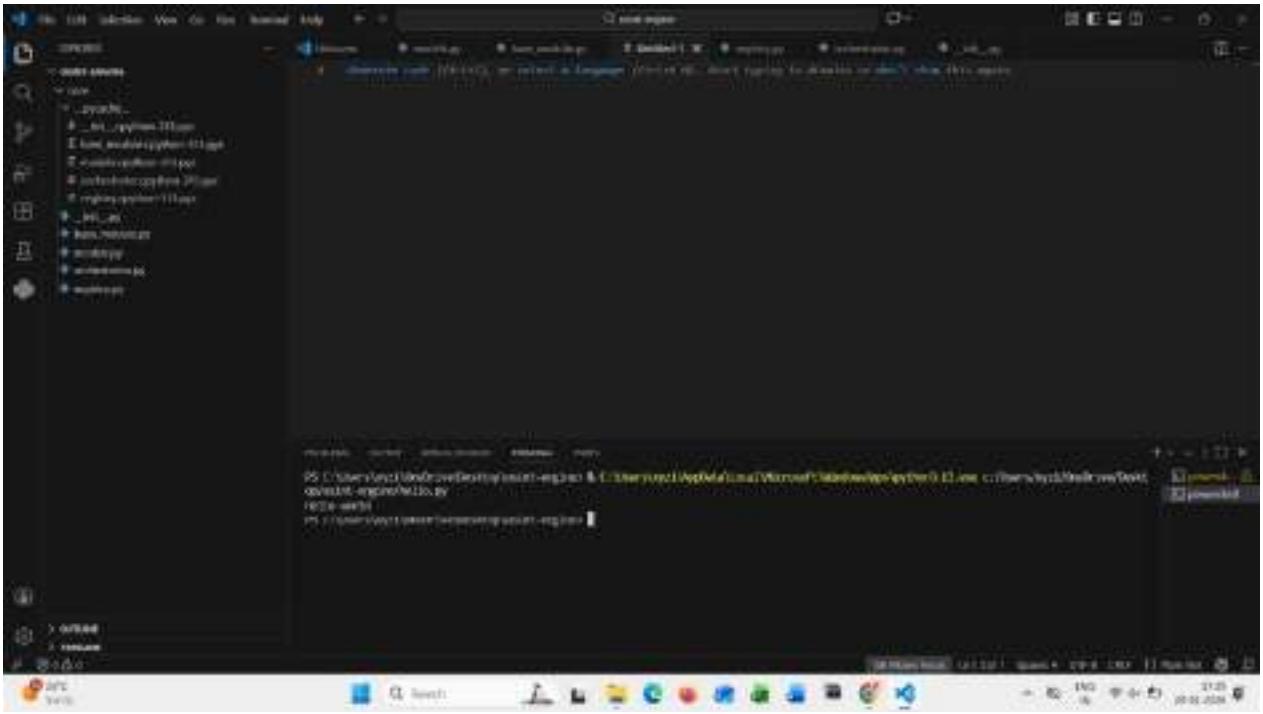


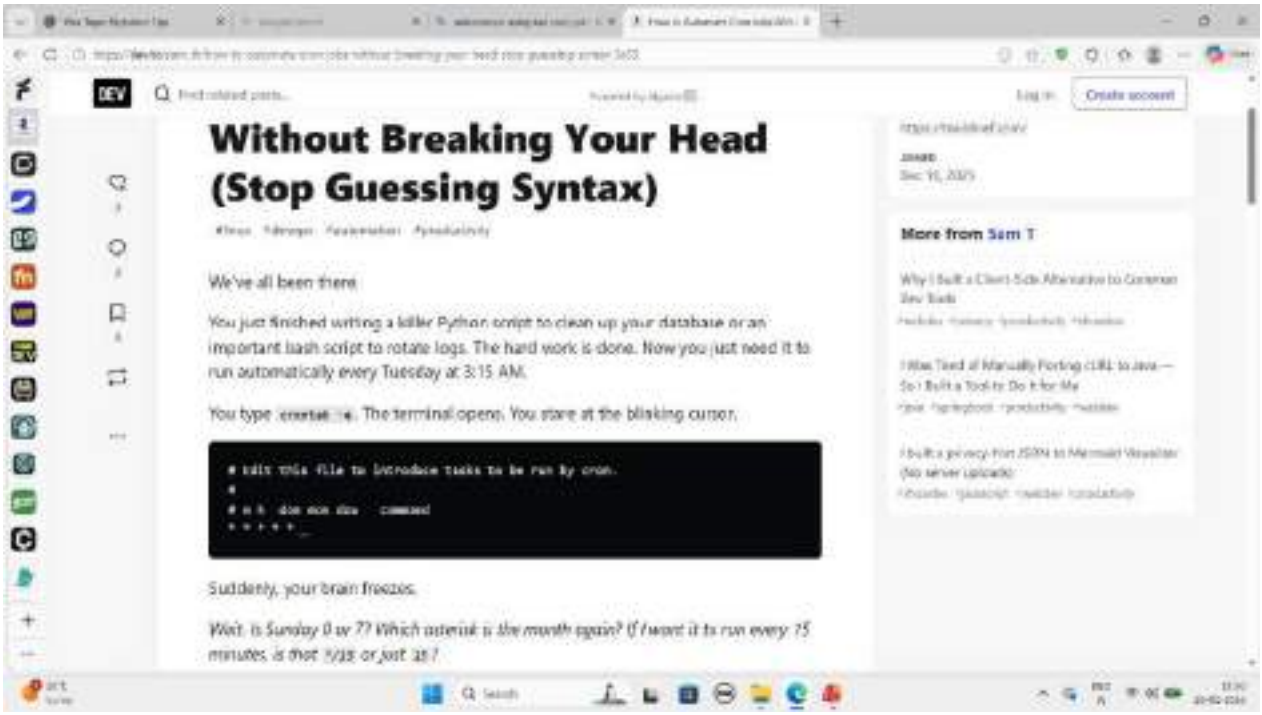

Build with Agent

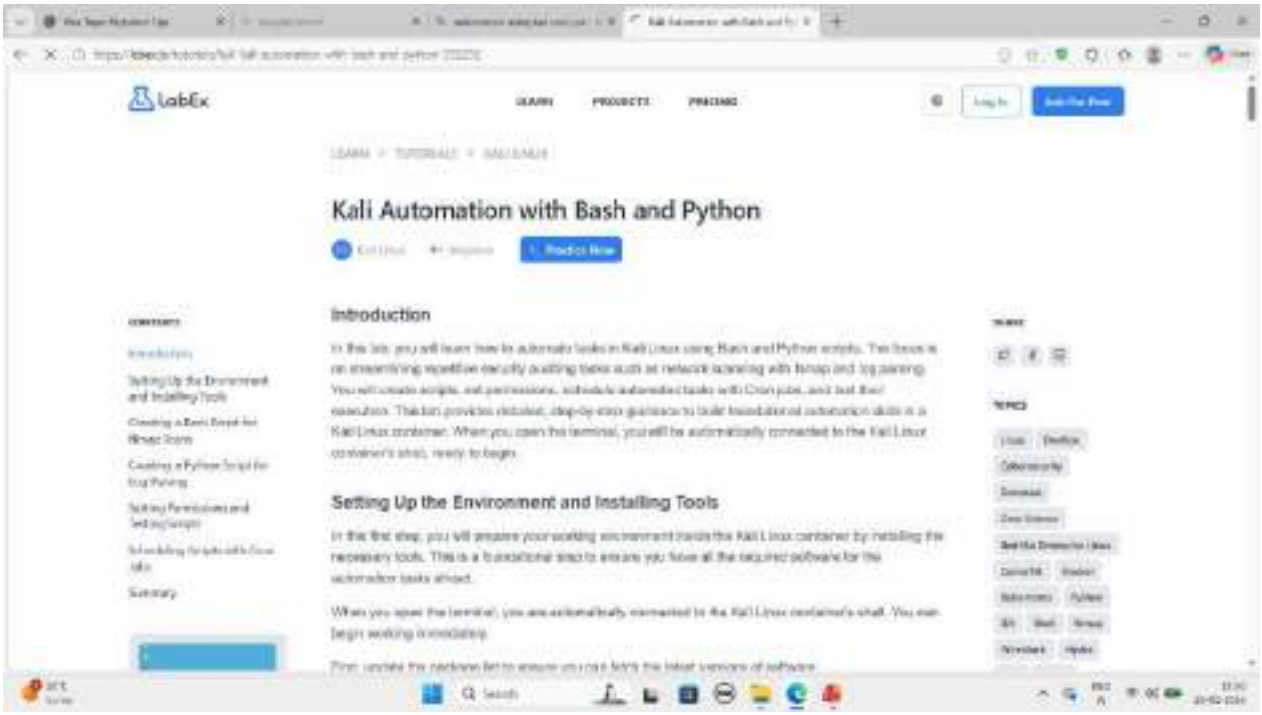

ADVANCED SUBDOMAIN ENUMERATION
Target: geeksforgeeks.com
Threads: 10 | Timeout: 5s | Bruteforce: True
[1/4] PASSIVE ENUMERATION (Sublist3r version)
[06:04:12] [SUCCESS] Found: api.geeksforgeeks.com (via hackertarget)
[06:04:12] [SUCCESS] Found: aw01.ar.geeksforgeeks.com (via hackertarget)
[06:04:12] [SUCCESS] Found: aw01.beta.geeksforgeeks.com (via hackertarget)
[06:04:12] [SUCCESS] Found: aw01.example.geeksforgeeks.com (via hackertarget)
[06:04:12] [SUCCESS] Found: aw01.gitlab.geeksforgeeks.com (via hackertarget)
[06:04:12] [SUCCESS] Found: aw01.gla.geeksforgeeks.com (via hackertarget)
[06:04:12] [SUCCESS] Found: hostmaster.geeksforgeeks.com (via hackertarget)
[06:04:12] [SUCCESS] Found: ns.geeksforgeeks.com (via hackertarget)
[06:04:12] [SUCCESS] Found: aw01.mailhost.geeksforgeeks.com (via hackertarget)




How to Improve Tool A (RECOMMENDED)
Add post-processing filters
Reject repeated labels
Reject cross-domain concatenation
Limit label depth




DEV
Create account
Without Breaking Your Head
(Stop Guessing Syntax)
We've all been there
You just finished writing a killer Python script to clean up your database or an important bash script to rotate logs. The hard work is done. Now you just need it to run automatically every Tuesday at 3:15 AM.
Suddenly, your brain freezes.
More from Sam T


LabEx
Kali Automation with Bash and Python
Introduction
Setting Up the Environment and Installing Tools