

School of Computing & Information Sciences

Spring 2024 Capstone II Project

FIU OSINT-Bot Application

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ATTENTION: Participants involved in any project are fully informed about the nature, purpose, and methodologies involved, and their consent is obtained prior to participation. This project provides an aggregate analysis derived from publicly available data sources. It is crucial to acknowledge that the information presented here is intended exclusively for academic and informational purposes. We firmly oppose and abstain from personally employing facial recognition technologies or web scraping methods that compromise individual privacy.

ACKNOWLEDGEMENT

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OSINT BOT TOOLS

HarvestR

DNS Lookup

Social Scrapper

Encryption

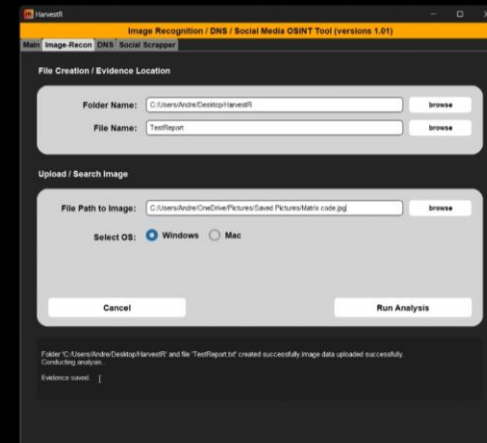
Image Recon

The user can decide where to store the folder for data found.

Then select the file path for the image.

The automated bot will search the image in TinEye.

All data found is saved in the file path specified prior.



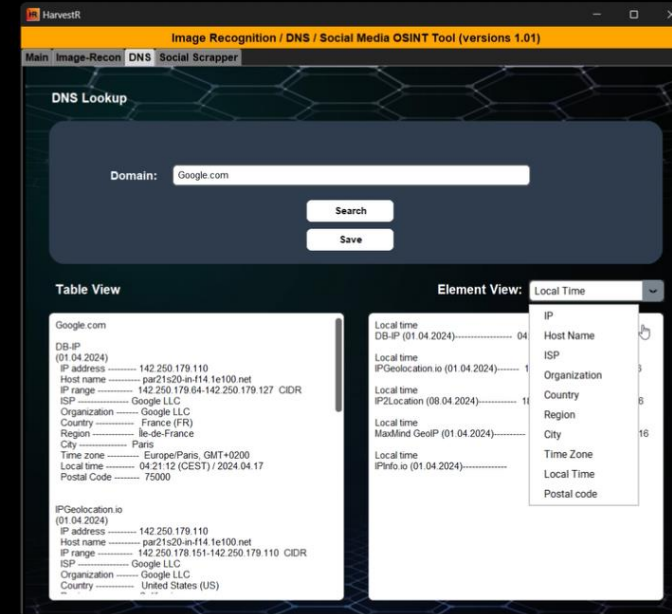
DNS Lookup

A web scraper for the site <https://check-host.net/>.

Each table consist of DNS data
database of a domain name.

The data is presented in tables with listed elements.

Specific elements can be singled out for analyzing.



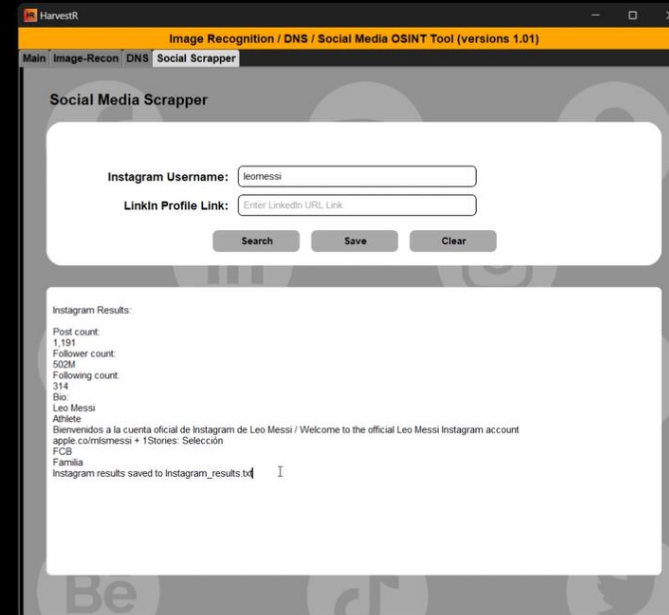
Social Scrapper

Leverages Pyautogui to automate the process of searching:

- Instagram usernames
- LinkedIn profiles

Data regarding Bio, Follower, and Following count is shown.

All data collected can be saved into a text document for later examination.



Encryption

Recognizing the importance of protecting sensitive information.

Advanced encryption system secures the application and all associated data.

Ensures all information is thoroughly safeguarded against unauthorized access.

