



Florida International University

Spring 2024 Capstone II Project

FIU OSINT-BOT

Students: Jasen cadet

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Instructor/Faculty: Dr. Masoud Sadjadi, Florida International University



PROBLEM

The challenge involves creating a program that uses facial recognition and web scraping technologies for research, while upholding ethics, privacy, security, and transparency, balancing innovation with responsible technology use and ensuring legal and ethical integrity. Including creating a comprehensive GUI to house the programs into one machine.

SUMMARY

Throughout this venture, our team celebrated numerous milestones, yet we encountered a significant hurdle when we faced a paywall on the PimEyes site, which limited our access to vital data. In response to this challenge, we strategically pivoted to utilizing the TinEye program. Including with the successful integration of the DNS look up and Social Scraper being successfully housed in one application that enharbours a robust encryption to keep the data retrieved secured

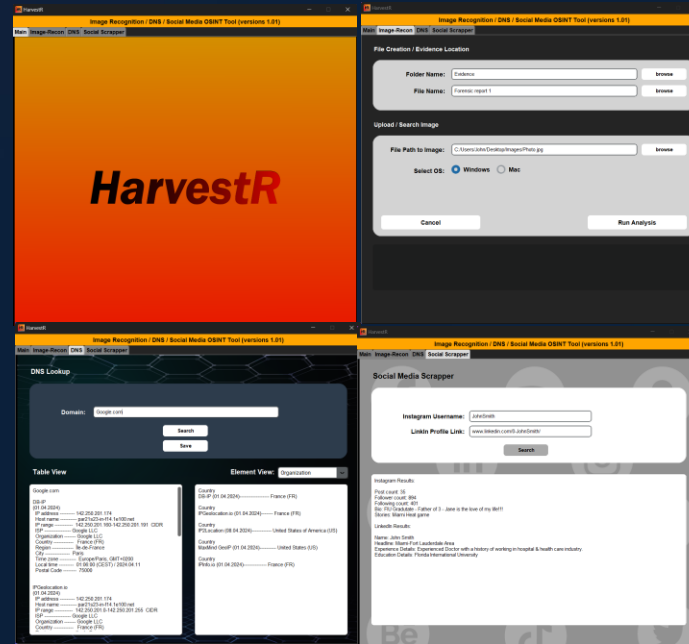
OBJECTIVE

Our program is fundamentally aimed at elevating the realms of education and research. Through our initiatives, we aim to illuminate the intricate dynamics of publicly accessible information, particularly highlighting the ethical considerations and societal implications of employing facial recognition and web scraping technologies. Our activities are meticulously crafted to explore these technologies' vast potential and their consequential impacts, fostering a deeper understanding and responsible usage within the community.

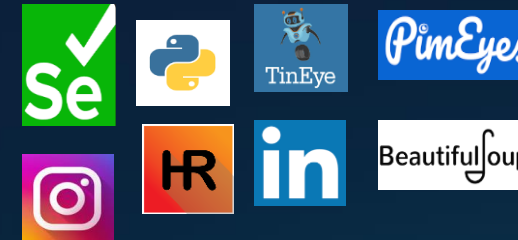
INDIVIDUAL CONTRIBUTION

I have developed a python program that collect information from different social media like Instagram and LinkedIn by using selenium to access the websites and then using beautiful soup to collect information from the HTML and print it out in a readable format.

OBJECT DESIGN



IMPLEMENTATION



REQUIREMENTS

HarvestR requires installing multiple third-party packages to include downloading the following within terminal: selenium, customtkinter, pyautogui, tkinter, BeautifulSoup, pywintypes along with the user's preferred IDE or Python IDLE version 3.11 or higher.

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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