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README

HarvestR is a bot application program that uses a facial recongnition tool and web scraping technologies for open source intelligence research. HarvestR 1.01 currently operates on windows only but future versions will incoporate Mac OS.

Running HarvestR requires installing multiple python libraries through terminal command. IDE's are not limited as long as it can import the required packages. HarvestR was built on python version 3.11.

NOTICE

Participants involved in any project are fully informed about the nature, purpose, and methodologies involved, and their onsent 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.

INSTALLATION & IMPORT REQUIREMENTS:

- Python 3.11 or greater
- IDE or Python Interpreter
- selenium

- BeautifulSoup
- pyautogui
- Firefox Driver
- Google Chrome Driver

GITHUB LINK AND FILES:

https://github.com/Ryeberg/OSINT_Bot

CONTACT ME

If you have any problems running the application you can email me at aogan003@fiu.edu to answer all your concerning questions.

You can also reach our github page for updates and announcements to address bugs and issues.

INSTALLATION PROCEDURES BEFORE RUNNING:

To install Python visit <https://www.python.org/downloads/windows/> and select "Lastest Python 3 Release -Python #.##.#".

Once there scroll to the bottom until you see "Files" and select "Windows installer (64-bit)"

To install selenium type in command prompt: `pip install selenium`
Documentation for installation can be found at <https://selenium-python.readthedocs.io/installation.html>

tkinter is library that comes "pre-installed" with python standard library distributions.
But if not found use: `pip install tk`

To install beautifulsoup type in command prompt: `pip install beautifulsoup4`

To install pyautogui type in command prompt: `pip install pyautogui`

To acquire Drivers you can simply download the firefox browser or Google Chrome browser online

METHODS AND DESCRIPTIONS OF USE:

`def instagram(name)`: This method is responsible for taking the IG username and inputting it into Instagram and collecting the information.

`def linked(link)`: This method is responsible for taking the LinkedIn username and inputting it into LinkedIn and collecting the data

`def main()`: This method is responsible for taking the input for the username for the IG username, also gives the option to the user to put input one of them or both of them. Nothing is that it makes sure that there is no blank inputs for both which would crash the code.