



Ministry of Higher Education and Scientific
Research
University of Babylon
College of Information Technology
Department of Information Security



Study: (Morning)

Cyber Threat Intelligence Dashboard with Scraped Data

A Graduate Project Submitted to the department of Information Security of the College of Information Technology, University of Babylon, in Partial Fulfillment of the Requirements for the Bachelor's degree in the Information Security of Information Technology.

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Abstract

This project aims to develop an analytical technical dashboard based on data extracted from multiple online sources to analyze and monitor cyber threats. The project uses web scraping techniques to collect information from reliable sources such as black forums and suspicious websites. This data is processed using data analysis and artificial intelligence techniques to detect behavioral patterns and potential threats. Designing and developing the dashboard's visual user interface is an essential part of the project to represent data and information effectively and easily to understand to help security analysts make decisions quickly and effectively.

Data analysis and techniques used:

Web scraping techniques to collect data from reliable sources.

Using data analysis and artificial intelligence techniques to detect behavioral patterns and potential threats.

Design and develop an effective visual user interface to represent data and information.

Expected benefits:

Providing strategic insights to security analysts by displaying cyber threat data in a centralized and organized way.

Improve security teams' ability to detect and remediate threats quickly and effectively.

Facilitate the security decision-making process by providing reliable data and comprehensive analyses.