**Below are some screenshots of our Threat Intelligence Platform – Cyberguard.**

**Front End –**

This is the view that C-suite management and general employees will be able to see when they look for details on a particular threat report. These visualizations are generated after the analysis of threat intelligence to help management make data driven decisions.

**Dashboard:**

A screenshot of a graph

Description automatically generated

**Bulletin: A deeper dive into the threat data**

**A screenshot of a computer

Description automatically generated**

**Back End:**

This shows the process behind the scenes, the collection of data, the processing, the analysis and application of algorithms and the visualizations.

This is what a security analyst within the security operations centre will be able to see.

1) **Screenshot of the collected data:**

Since we work with Big Data, it is not possible to attach a whole dataset due to size restraints. However, here is a link to a sample dataset on Malicious URLs, the kind of data which our platform collects and analyses to identify the indicators of compromise (IOCs).

<http://www.sysnet.ucsd.edu/projects/url/#datasets>

A screenshot of a computer

Description automatically generated

2) **Screenshots of the data being processed in Apache Spark:**

A computer code with black text

Description automatically generated

A computer code with text

Description automatically generated

A text on a white background

Description automatically generated

3) **Applying Normalization:**

A screen shot of a computer code

Description automatically generated

4) **Screenshot of the Analysis:**

Application of the K-means clustering algorithm to form clusters of the indicators of compromise to get enriched threat intelligence.

A computer code with text

Description automatically generated with medium confidence

5) **Visualizations being generated:**

A graph of a graph of a graph

Description automatically generated with medium confidence

A graph of a number of numbers

Description automatically generated with medium confidence

A graph of training and evaluation

Description automatically generated

References:

<https://www.mdpi.com/2078-2489/13/2/58>

<https://www.hindawi.com/journals/cin/2022/3131153/>