Project Design Phase-I
Solution Architecture

Date	19 September 2022
Team ID	PNT2022TMID33467
Project Name	Web phishing detection
Maximum Marks	4 Marks

Solution Architecture:

Using the Machine learning technology to detect the phishing attacks Machine learning is one of the critical mechanisms working in tandem with Artificial Intelligence (AI). It is based on algorithms focused on understanding and recognizing patterns from enormous piles of data to create a system that can predict unusual behaviors and anomalies. It evolves with time while learning patterns of normal behaviors. These characteristics make it helpful in identifying phishing emails, spam, and malware.

Example - Solution Architecture Diagram:

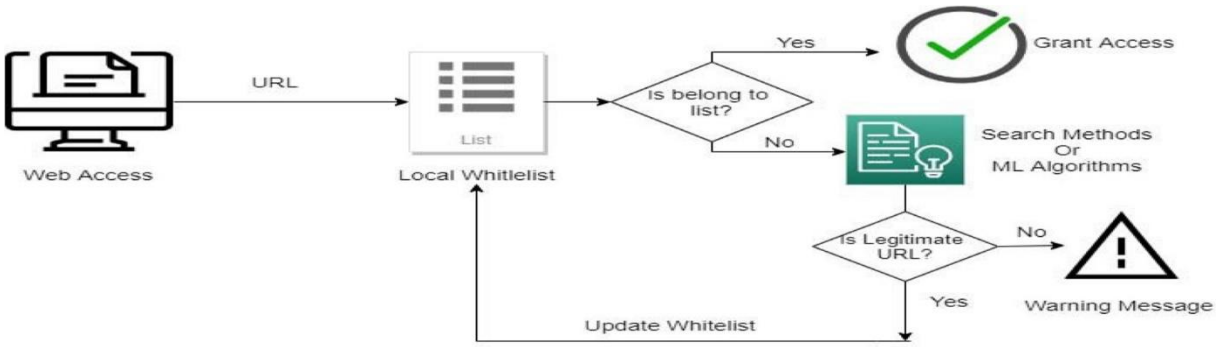

Figure 1: Whitelist-based web phishing detection

Reference: https://ietresearch.onlinelibrary.wiley.com/doi/full/10.1049/iet-net.2020.0078

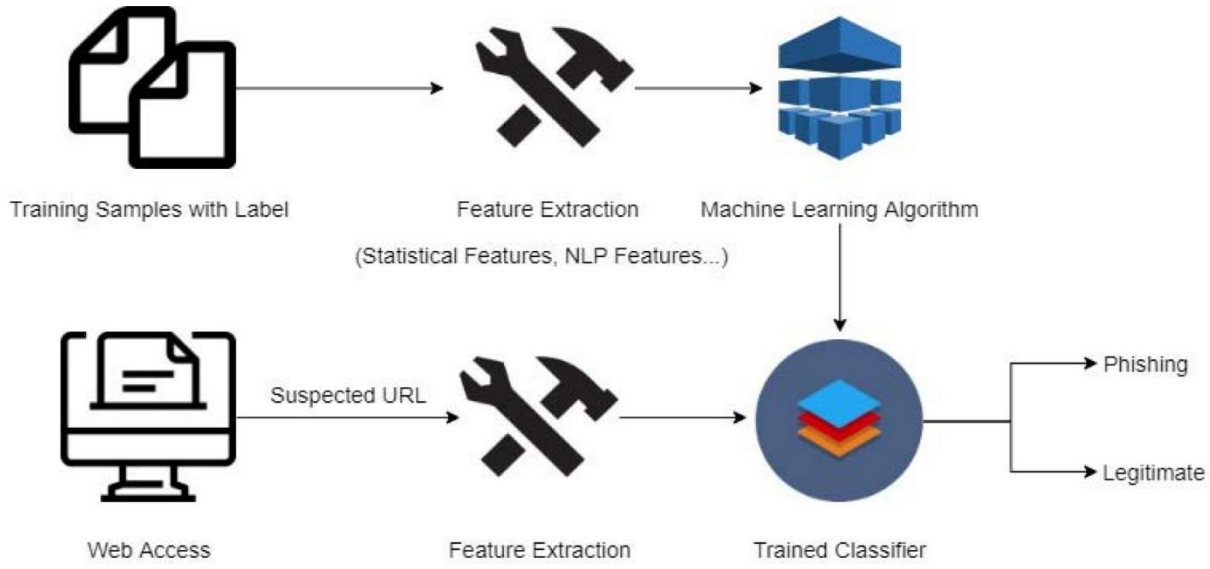

Figure 2: Learning-based web phishing detection

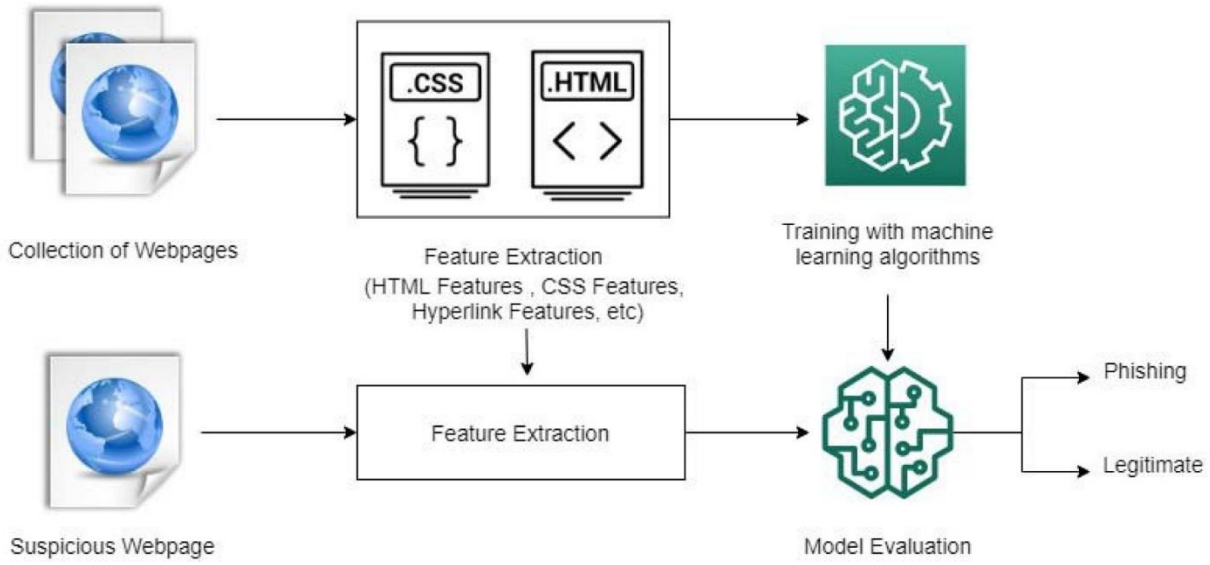

Figure 3: ML-based webpage similarity evaluation

Reference: https://ietresearch.onlinelibrary.wiley.com/doi/full/10.1049/iet-net.2020.0078