Literature survey

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PROJECT NAME	Web Phishing Detection

Web phishing detection

- There are number of users who purchase products online and make payment through various websites. There are multiple websites who ask user to provide sensitive data such as username, password or credit card details etc. often for malicious reasons. This type of websites is known as phishing website.
- The phishing website can be detected based on some important characteristics like URL and Domain Identity, and security and encryption criteria in the final phishing detection rate.
- Phishing continues to prove one of the most successful and effective ways for cybercriminals to defraud us and steal our personal and financial information.
- A study conducted by Intel found that 97% of security experts fail at identifying phishing emails from genuine emails.

Title of paper	Year of publications	Author Name	Description
Intelligent phishing detection system for e-banking using fuzzy data mining	December 2010	MaherAburrousa M.A.Hossaina KeshavDahala FadiThabtahb	In this paper, they present novel approach to overcome the 'fuzziness' in the e-banking phishing website assessment and propose an intelligent resilient and effective model for detecting e-banking phishing websites. The proposed model is based on fuzzy logic combined with data mining algorithms to characterize the e-banking phishing website factors and to investigate its techniques by classifying the phishing types and defining six e-banking phishing website attack criteria's with a layer structure.
Phishing Detection: Analysis of Visual Similarity Based Approaches	January 2017	Ankit Kumar Jain[1] B. B. Gupta	This paper presents a comprehensive analysis of phishing attacks, their exploitation, some of the recent visual similarity based approaches for phishing detection, and its comparative study. Our survey provides a better understanding of the problem, current solution space, and scope of future research to deal with phishing attacks efficiently using visual similarity based approaches.
Detection of Phishing Websites by Using Machine Learning-Based URL Analysis	2020	Mehmet Korkmaz Ozgur Koray Sahingoz Banu Diri	In this paper, they proposed a machine learning-based phishing detection system by using eight different algorithms to analyze the URLs, and

			three different datasets to compare the results with other works. The experimental results depict that the proposed models have an outstanding performance with a success rate.
Phishing website detection based on effective machine learning approach	August 2020	Gururaj Harinahalli Lokesh Goutham BoreGowda	This paper examines the applicability of ML techniques in identifying phishing attacks and report their positives and negatives. In specific, there are many ML algorithms that have been explored to declare the appropriate choice that serve as anti-phishing tools. We have designed a Phishing Classification system which extracts features that are meant to defeat common phishing detection approaches
Real time detection of phishing websites	November 2016	Abdulghani Ali Ahmed Nurul Amirah Abdullah	This paper proposes a detection technique of phishing websites based on checking Uniform Resources Locators (URLs) of web pages. The proposed solution is able to distinguish between the legitimate web page and fake web page by checking the Uniform Resources Locators (URLs) of suspected web pages.