**ABSTRACT**

***DETECTION OF PHISHING WEBSITE***

Phishing attacks are the practice of sending fraudulent communications that appear to come from a reputable source. At present, phishing is considered one of the most frequent examples of fraud activity on the Internet. It is usually done through email. The goal is to steal sensitive data like user id, password, and financial information, login information, or to install malware on the victim’s machine. ‘Phishing sites’ are a sort of safety troubles that particularly focuses on the human vulnerabilities as compared to software vulnerabilities.

Phishing techniques are visual and semantically similar to those used by legitimate websites. The malicious links within the body of the message are designed to make it appear that they go to the spoofed organization using that organizations logos and other legitimate contents. Phishing is popular among attackers, since it is easier to trick someone into clicking a malicious link which seems legitimate than trying to break through a computers defence system.

But few significant attributes such as URL and domain identity can help distinguish phishing sites. In the era of technology advancement, phishing techniques became more advanced and this needs to be prevented with anti-phishing mechanisms to detect phishing. In the fight against phishing attacks, machine learning is a powerful tool. This project proposes an intelligent system that can detect phishing websites. The idea is to use learning models that are trained to match the suspicious website with the corresponding legitimate website using a set of features, and if the resemblance is greater than a predetermined threshold-value, the website is labelled as faked. The project also helps users to determine whether or not a website is phishing. If the website is discovered to be a phishing site, the user has the option to report and potentially block the website or email from which the link to this website was sent. The administrator has the ability to blacklist URLs that are discovered to be phishing sites, as well as mark the email address from which these URLs were sent.

Submitted to : Minu R Raghunath

Submitted by : Mubeena Nazar

Submitted on : 21/12/2021