

# WEB PHISHING DETECTION

## PROBLEM STATEMENT

Phishing is the most commonly used social engineering and cyber attack. Through such attacks, the phisher targets naïve online users by tricking them into revealing confidential information, with the purpose of using it fraudulently. Phishing is a form of fraud in which the attacker tries to steal sensitive information such as login credentials or account information by sending as a reputable entity or person in email or other communication channels. There are a number of users who purchase products online and make payments through e-banking. There are e-banking websites that ask users to provide sensitive data such as username, password & credit card details, etc., often for malicious reasons. This type of e-banking website is known as a phishing website. Web phishing aims to steal private information. It will lead to information disclosure and damage to reputation. Large organizations may get trapped in different kinds of scams. Web phishing is one of many security threats to web services on the Internet. This project mainly focuses on applying a machine-learning algorithm to detect phishing websites.

1. What does the problem affect?	It affects users by stealing the user data including login credentials, credit card details and other sensitive information.
2. What are the boundaries for the problem?	Genuine site get information for authentication purpose, if it is attackers, then it is not possible to find out.
3. What is the issue?	If attackers want to get the personal details by introducing phishing website, then user's cannot identify the spam, it leads to insecure in the privacy.

4. When does the issues occur?	<p>The Detection will be failed,</p> <ul style="list-style-type: none"> <li>• When The Trained data is wrong, the spams and worms are arises.</li> <li>• When Advanced Technology is used to crack the methods.</li> </ul>
5. Where does the issue occur?	During the User adds sensitive information without knowing the seriousness.
6. Why it is important that we fix the problem?	<p>Because, Privacy is more important one for all user.</p> <p>Thus, it can achieve only by introducing any anti-virus or detecting softwares to secure the system from any attacks.</p>
7. What is the solution to solve this issue?	An Algorithm and automated system is used to solve this issue by predicting scams.
8. What methodology used to solve the issues?	Data Science and Machine Learning techniques are used to identify the issue and solutions for problem.