Literature Survey

S.No	TITLE	PROPOSED WORK	TOOLS USED/ ALGORITHM	TECHNOLOGY	ADVANTAGES/ DISADVANTAGES
1	Phishing Website Detection Using Machine Learning Algorithms.	URLs extracting and analyze Various link by check with Backlisting with help of Machine Learning to increase accuracy.	• Decision Tree Algorithm • Random Forest Algorithm • Support Vector Machine Algorithm	• Machine Learning	The Characteristics are not guaranteed to always exist in such attacks and false positive rate in detection is very high . We achieved 97.14% detection accuracy using random forest algorithm with lowest false positive rate.
2	Detecting phishing websites using machine learning technique	URL-based anti-phishing machine learning and method URL Net, a CNN-based deep-neural URL detection network.	• Support Vector Machine • K-NN • Random forest classification • Artificial Neural Network	• Machine Learning	Advantages- Reduces over fitting in decision trees and helps to improve the accuracy Disadvantages- Requires much computational power as well as resources as it builds numerous trees to combine their outputs.

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3	Phishing Website detection using machine learning and deep learning techniques	Phishing done in dataset from Kaggle website and other dataset of own and apply Machine Learning Techniques in Identifying phishing websites	• Regression Techniques • K nearest neighbor • Decision Tree • Random Forest • XG Boost • Ada Boost.	• Machine Learning,Deep Learning	Eliminate the cyber threat risk level. Increase user alertness to phishing risks. Negative effects on a business, including loss of money, loss of intellectual property
4	Phishing Website Detection Based on URL	To preserve the confidentiality. develop a user-friendly environment and to prevent or mitigate harm or destruction of computer networks, applications, devices, and data.	• Learning Model Algorithm • Naive Bayes Algorithm • Decision tree, • Support Vector Machine • Artificial Neural Network • Sequential Minimal Optimization	• Machine Learning	Advantages – Provide clear idea about the effective level of each classifier on phishing email detection. Disadvantages- Non standard classifier

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5	Detection of Phishing Websites by Using Machine Learning-Based URL Analysis	Data's that are open source is used .Legitimate Sites from Alexa Database and Phishing Sites from Phish Tank and checks the Phishing Sites Using Machine Learning	• Logistic Regression • K-Nearest Neighbor • Support Vector Machine • Decision Tree • Naive Bayes • XG boost • Artificial Neural Network	• Machine Learning	The biggest disadvantage of these systems is that the small change in the URL prevents matching in the list
6	Phishing Website Detection Based on Deep Convolutional Neural Network and Random Forest Ensemble Learning	It proposes an integrated phishing website detection method based on convolutional neural networks (CNN) and random forest (RF)	• Linear Regression • K nearest neighbor • Support Vector Machine • Random Forest • XG Boost • Naïve Bayes • RNN Model • CNN Model	• Machine Learning,Deep Learning	Disadvantage is that the model cannot determine whether the URL is active or not, so it is necessary to test whether the URL is active or not before detection.Advantage is

THANK YOU