NAALAIYA THIRAN

WEB PHISHING DETECTION

LITERATURE SURVEY

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WQE	TITLE	PROPOSED WORK/ FEATURES	ALGORITHM	TECHNOLOGY/ SOFTWARE TOOL	ADVANTAGES/ DISADVANTAGES
1	Phishing Website Detection using Machine Learning Algorithms	It will analyze various blacklisted and legitimate URLs and their features to accurately detect the phishing websites including zero- hour phishing websites	Decision Tree Algorithm Random Forest Algorithm Support Vector Machine Algorithm	Python Scikit-learn Machine Learning	Accuracy is maximum with lowest false positive rate
2	Detection of Phishing Websites using Machine Learning Approaches	Detect malicious websites from suspicious URLs Real-time anti-phishing system	Naive Bayes, SVM, and Logistic Regression Decision Tree, Random Forest, and KNN	Machine Learning	Has achieved high classification accuracy which is between 95% to 99% Lowest false-negative rate

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3	Phishing Website Detection Using Fast.ai library	Proposed a convolutional neural network model using 'Fast.ai' library to detect the phishing websites with high accuracy than the traditional approaches	PyTorch Library Fast.ai Library	Python Scikit-learn Keras Deep Learning	Accuracy is maximum Fast results on average systems also Crawling some features of the URL, it depends on third party tools
4	PDRCNN: Precise Phishing Detection with Recurrent Convolutional Neural Networks	It uses the URL to detect phishing and does not need third-party services Build a large-scale data set through Alexa and Phish Tank websites	Recurrent Convolutional Neural Network	Deep Learning	It can detect phishing sites quickly and accurately not relying on third-party data Can perform precise and fast phishing detection only with URL information.

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5	Phishing Website Detection Based on Deep Convolutional Neural Network and Random Forest Ensemble Learning	This method is based on character embedding, CNN, and RFs URL Character Embedding, Designing an Improved CNN, Ensemble Classification	Convolutional Neural Network Random Forest Algorithm	Python Ensemble Learning Deep Learning	Strong generalization ability Third-party service independence Language-independent
6	A Contemporary Phishing Identification Technique using Prediction Algorithm based on URL Features	To find the differentiation of legitimate and phishing Web Pages based on the URL features	Prediction algorithm	JavaBeans	Detecting the phishing website by analyzing the attributes and predicted value to evaluate the security of the website

THANK YOU