

# **WEB PHISHING DETECTION LITERATURE SURVEY**

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S.NO	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	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
3	Phishing Website Detection using Machine Learning Algorithms	We have implemented python program to extract features from URL. Below are the features that we have extracted for detection of phishing URLs.	Decision Tree, random forest and Support vector machine algorithms	Machine Learning	We achieved 97.14% detection accuracy using random forest algorithm with lowest false positive rate.
4	A Survey of Machine Learning-Based Solutions for Phishing Website Detection	To Survey effective methods to prevent phishing attacks in a real time environment.	Machine Learning Algorithms	Machine Learning Technology	In addition, phishing detection is sensitive to false warnings. Furthermore, a real-time system requires very low computational time
5	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

6	Detecting Phishing Website with Machine Learning Synopsis	In order to detect and predict e-banking phishing website, we proposed an intelligent, flexible and effective system that is based on using classification Data mining algorithm	Data mining algorithm	Java	This system can be used many E-Commerce websites in order to have good Customer relationship
7	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

**THANK YOU**