DETECTION OF PHISHING URL LINKS USING MACHINE LEARNING

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ABSTRACT:

The phishing attacks attempt to gain confidential data leads to scams and information leaks by clicking URL links that may look legitimate. The victims of the attacks can be innocent users whoare not aware of phishing. It is important to act against these attacks, and create awareness among people and there is a need for trustworthy detection techniques. There is a challenge in identifying phishing links and the majority of methods cannot accurately determine whether a new link is a phishing or not. In this project, machine learning algorithms are proposed XG Boost, Random Forest, Decision trees are used for the detection methods based on URL structure and features. This study is also compared the three machine learning models and also shows that XG Boost technique is better than the other models for predicting the URL link.

KEYWORDS: *Detection techniques, structure of URL, machine learning algorithms, URL behavior.*