

Phishing Site Detection Using Machine Learning and NLP for Robust Online Security

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Abstract: *In the respect of electronic security, phishing attacks constitute a serious hazard when creating clever mockup for the website from where it is easy to catch sensitive information from user's records. Traditional detection schemes, such as blacklisting and heuristics, are very weak since most of these time-honored schemes are useless to track and unfortune the berries of phisher mounds against the trial tactics that are morphing into more sophisticated approaches. Such also happen to concern the fact that, with increasing cyber crime, heuristics and blacklists are unlikely to replace or even complement one another. However, the study explains the proposed security through NLP-Machine Learning paradigm in substantial terms in order to clearly illuminate and perfect the presentation of its own publications, so to speak. Venishable bits of professional insights are cited, compared, and conferenced with key findings that were currently made available in order to sketch the questionnaire and the role of the research conducted in enhancing best phishing detection in real time and enhancing cybersecurity.*

Keywords: Phishing detection, Machine learning, Natural language processing, Cybersecurity, Browser extension