Interactive Phishing Detection System through Machine Learning

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Abstract: *Phishing attacks are one of the most common social engineering attacks targeting user's emails, organization websites to fraudulently steal confidential and sensitive information. They can be used as a part of more massive attacks launched to gain a foothold in corporate or government networks. Phishing attacks pose a significant threat to cybersecurity, exploiting human vulnerabilities to gain unauthorized access to sensitive information. Traditional detection systems often operate passively, lacking user engagement and adaptability to evolving phishing techniques. This paper proposes an interactive phishing detection framework that leverages machine learning (ML) to passive detection without user interaction.*

Keywords: Security; Phishing attacks; Machine learning