# Malicious URL Analysis with Real Time Blocking System

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**Abstract:** *This research presents a machine learning-based framework aimed at detecting phishing websites in real-time. Phishing is a growing concern in the cybersecurity domain, threatening user data and privacy globally. Our system employs advanced ML models including Ada boost to analyze web content and domain-level features. The use of Selenium provides real-time protection by blocking phishing sites. This work contributes a practical and scalable solution to enhance online safety by integrating automation and intelligent detection. Ethical practices and data transparency are upheld throughout the development lifecycle, ensuring responsible AI use in cybersecurity*

**Keywords:** machine learning