## WEB PHISHING DETECTION

## **ABSTRACT**

In our daily life, we carry out most of our work on digital platforms. Using a computer and the internet in many areas facilitates our business and private life. It allows us to complete our transaction and operations quickly in areas such as trade, health, education, communication, banking, aviation, research, engineering, entertainment, and public services. Phishing attackers spread phishing links through e-mail, text messages, and social media platforms. They use social engineering skills to trick users into visiting phishing websites and entering crucial personal information. In the end, the stolen personal information is used to defraud the trust of regular websites or financial institutions to obtain illegal benefits.

We propose a deep learning-based framework for detecting phishing websites by implementing the framework as a browser plugin capable of determining whether there is a phishing risk in real-time when the user visits a web page and gives a warning message.

The real-time prediction service combines multiple strategies to improve accuracy, reduce false alarm rates, and reduce calculation time, including whitelist filtering, blacklist interception, and machine learning (ML) prediction.