**CONCLUSION**

Thus, to summarize, we have seen how phishing is a huge threat to the security and safety of the web and how phishing detection is an important problem domain. We have reviewed some of the traditional approaches to phishing detection; namely blacklist and heuristic evaluation methods, and their drawbacks. We have tested four machine learning algorithms on the Phishing Websites Dataset and reviewed their results. We then selected the best algorithm based on its performance and built a Chrome extension for detecting phishing web pages.

The extension allows easy deployment of our phishing detection model to end users. We have detected phishing websites using XGBoost algorithm with accuracy of 85.9%. For future enhancements, we intend to build the phishing detection system as a scalable web service which will incorporate online learning so that new phishing attack patterns can easily be learned.