

# URL'S Phishing Detection Based on Machine Learning Approach

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**Abstract:** *Phishing detection is a challenging problem, and many different solutions are proposed in a market as a blacklist, rule-based detection, anomaly-based detection etc. Phishing Websites are duplicate webpages created to mimic real websites in-order to deceive people to get their personal information. Because of the adaptability of their tactics with little cost detecting and identifying phishing websites is really a obscure and dynamic problem.*

**Keywords:** Blacklist, rule-based detection, mimic, deceive, tactics, obscure, dynamic.

## REFERENCES

- [1]. Rishikesh Mahajan, Irfan Tidivate "Phishing Website Detection using Machine Learning Algorithms". In October 2018 [https://www.researchgate.net/publication/32854178\\_Phishing\\_Website\\_Detection\\_using\\_Machine\\_Learning\\_Algorithms](https://www.researchgate.net/publication/32854178_Phishing_Website_Detection_using_Machine_Learning_Algorithms).
- [2]. Arun Kulkarni, Leonard L. Brown " Phishing Websites Detection using Machine Learning" In July 2019, International Journal of Advanced computer science and applications. <https://thesai.org/Publications/ViewPaper?Volume=10&Issue=7&Code=IJACSA&SerialNo=2>.
- [3]. Sushma Joshi, Dr S.M Joshi "Phishing URL's Detection Using Machine Learning Techniques", In 25<sup>th</sup>-<sup>th</sup>3 June 2019, International Journal Of computer engineering in research trends multidisciplinary,open,access. [https://ijcert.org/ems/ijcert\\_papers/V6I602.pdf](https://ijcert.org/ems/ijcert_papers/V6I602.pdf).
- [4]. Liz hen Tang, Qusayr H. Mahmoud "A Survey of Machine Learning-Based Solutions for Phishing Website Detection", In 20 August 2021,department of electrical, computer, and software engineering, Ontario tech university, Oshawa, on LIG 0C5,Canada. <https://www.mdpi.com/2504-4990/3/3/34>.
- [5]. Naga Sundar Rao Pawar Babu Rao Pawar "Detection Of Phishing URL using machine learning", In 16<sup>th</sup> Aug 2021 MSc research projects. <http://norma.ncirl.ie/5100/1/nagasunderraopawarbaburaopawar.pdf>.
- [6]. Ali A. Ghorbani, Wei Lu and M. Tavallae, Network intrusion detection and prevention: Concepts and Techniques, Advances in Information security, Springer, 2010.
- [7]. A. O. Adetunmbi, S.O. Falaki, O. S. Adewale, and B. K. Alese, Network Intrusion Detection based on rough set and k-nearest neighbour, Intl. Journal of computing and ICT research, 2(1) (2008), 60-66.
- [8]. C. Krugel and T. Toth, Using decision tree to improve signature based intrusion detection, in: Proceedings of RAID, 2003, G. Vigna, E. Jonsson, and C. Kruegel, eds, Lecture Notes in Computer Science, Vol. 2820, 173-191.
- [9]. D. E. Denning and P. G. Neumann, Audit trail analysis and usage data collection and processing, Technical report project 5910,SRI International.
- [10]. G. Wang, J. Hao, J. Ma and L. Huang, A new approach to intrusion detection using artificial neural networks and fuzzy clustering, Expert system with applications, 37 (2010), 6225-6232, Elsevier.

