## Literature Survey - Web Phishing Detection

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S.No:	Paper Title	Paper Authors	Published Month and Year	Abstract	Drawbacks
1.	PHISHING DETECTIO N – A LITERATU RE SURVEY	Mahmoud Khonji Youssef Iraqi Andy Jones	April 2013	which makes users the weakest element in the security chain. The phishing problem is broad and no single silver-bullet solution exists to mitigate all the vulnerabilities effectively, thus multiple techniques are often implemented to mitigate specific attacks. This paper aims at surveying many of the recently proposed phishing mitigation	list of negative effects on a business, includingloss of money, loss of intellectual property, damage to reputation, and disruption of operational activities.  These effects work together to cause loss of company value,

2.	WC-PAD: Web Crawling based Phishing Attack Detection	T Nathezhtha D Sangeetha V Vaidehi	October 2019	This paper proposes an automated customer care management system (CCM) to help maintain a good relation with customers. CRM can help any organization to survive and grow in a competitive market. It helps to know and treat each customer uniquely and effectively, resulting in a long-term fruitful relation with customer. This requires knowing the preferences of the individual customer. Making a successful CRM is very challenging as information about customer's preferences and behavior often difficult to obtain. In this paper we implemented a CRM system that can automatically communicate with present and future customers based on the information it has in its database. Making a database with the latest information about customer's trends and choice is crucial. This includes collecting data from various sources and then analyzing the data. Using modern computing techniques like data mining and web	It is easy to trick the crawler. Websites have hidden data that can be manipulated to make the page appear like it's something it's not  Page rank can be manipulated. While search engine companies frown on the practice, there are ways to improve where your page appears on the list of results
3.	A Machine Learning Approach for URL Based Web Phishing Using Fuzzy Logic as Classifier	Happy Chapla Riddhi Kotak Mittal Joiser	July 2019	Phishing is the major problem of the Internet era. In this era of internet the esecurity of our data in web is gaining an increasing importance. Phishing is one of the most harmful ways to counknowingly access the credential linformation like username, password or account number from the users. Users are not aware of this type of attack and later they will also become a part of the phishing attacks. It may be the losses of financial found, personal information, a reputation of brand name or trust of inbrand. So the detection of phishing site as framework of phishing detection using CURL.	contains malicious oftware targeting he user's computer or has inks to direct victims to malicious vebsites in order to trick them into livulging personal and financial information, such as passwords, account IDs or

4.	Snear-Phiching	Muhammed Sawood		One of the most important strategies for gaining unauthentic early access to	
<b>–</b>	campaigns: Link	Baig	November	some person/company's computing	
	Vulnerability	Buig	2021	resources/data is spear phishing.	
	leads to phishing	Faisal	2021	Phishing is, at its core, a sort of social	
	attacks,	Ahmed		engineering intended to persuade a user	_
	Spear-Phishing	2		to give sensitive information or run a	
	electronic/UAV	Ali Mobin		payload that will infect their system.	
	communication-s	Memon		Spear phishing is a type of phishing in	
	cam targeted			which bogus emails are sent to specific	
				businesses with the goal of obtaining	much be
				confidential information. A successful	
				phishing campaign necessitates the use	
				of a few different resources as well as	_
				some setup. Impersonation,	
				inducement, and access- control bypass	
				techniques are among its approaches. In	
				this paper we have studied and found	•
				up to date approaches to spear phishing	
				attacks and their preventative measures. The paper also demonstrates the steps	
				to set up and run successful phishing	
				campaign and the results astonishingly	
					end payout needs
					to be significantly
				alter the response to phishing attacks.	_
				As a result of learning the facts, the	
				paper suggests that users should seek to	
				improve their security awareness by	
				becoming familiar with the warning	
				signs of phishing attacks. Moreover,	
				more often in Unmanned Aerial	
				Vehicles (UAV) or drones (which are	
				now being used in various domains	
					is going to steal
				monitoring, etc.), the resources are	
				deployed as web services which makes	money.
				them vulnerable to phishing activities.	
				A data mining technique is also suggested as a tool for the detection of	
				phishing attacks in UAVs.	
				pinsining attacks in UA vs.	

				Recently, the development and	Phishers can also
5.	HTMLPhish:	Chidimma Opara		Recently, the development and implementation of phishing attacks	cost a company a
<i>J</i> .	Enabling	Cindillilla Opara	July	require little technical skills and costs.	1 2
	_	Bo Wei	_	*	significant part of its market value as
	Phishing Web	bo wei	2020	This uprising has led to an ever-	
	Page Detection	V: 1 C1		growing number of phishing attacks	a result of the loss
	by Applying	Yingke Chen		on the World Wide Web.	of investors'
	Deep Learning			Consequently, proactive techniques to	confidence. Some
	Techniques on			fight phishing attacks have become	investors would
	HTML			extremely necessary. In this paper, we	no longer trust the
	Analysis			propose HTMLPhish, a deep learning	affected
				based data-driven end-to-end	organization and
				automatic phishing web page	may move their
				classification approach. Specifically,	funds elsewhere to
				HTMLPhish receives the content of	protect their
				the HTML document of a web page	portfolio.
				and employs Convolutional Neural	
				Networks (CNNs) to learn the	
				semantic dependencies in the textual	
				contents of the HTML. The CNNs	
				learn appropriate feature	
				representations from the HTML	
				document embeddings without	
				extensive manual feature engineering.	
				Furthermore, our proposed approach	
				of the concatenation of the word and	
				character embeddings allows our	
				model to manage new features and	
				ensure easy extrapolation to test data.	
				We conduct comprehensive	
				experiments on a dataset of more than	
				50,000 HTML documents that	
				provides a distribution of phishing to	
				benign web pages obtainable in the	
				real-world that yields over 93%	
				Accuracy and True Positive Rate.	
				Also, HTMLPhish is a completely	
				language-independent and client-side	
				strategy which can, therefore, conduct	
				web page phishing detection	
				regardless of the textual language.	