

SCREEN SHOTS



ABSTRACT

Malicious social bots generate fake tweets and automate their social relationships either by pretending like a follower or by creating multiple fake accounts with malicious activities. Moreover, malicious social bots post shortened malicious URLs in the tweet in order to redirect the requests of online social networking participants to some malicious servers. Hence, distinguishing malicious social bots from legitimate users is one of the most important tasks in the Twitter network. To detect malicious social bots, extracting URL-based features (such as URL redirection, frequency of shared URLs, and spam content in URL) consumes less amount of time in comparison with social graph-based features (which rely on the social interactions of users). Furthermore, malicious social bots cannot easily manipulate URL redirection chains. In this article, a learning automata-based malicious social bot detection (LA-MSBD) algorithm is proposed by integrating a trust computation model with URL-based features for identifying trustworthy participants (users) in the Twitter network. The proposed trust computation model contains two parameters, namely, direct trust and indirect trust. Moreover, the direct trust is derived from Bayes' theorem, and the indirect trust is derived from the Dempster-Shafer theory (DST) to determine the trustworthiness of each participant accurately. Experimentation has been performed on two Twitter data sets, and the results illustrate that the proposed algorithm achieves improvement in precision, recall, F-measure, and accuracy compared with existing approaches for MSBD.

Fig 10.1 Abstract Page

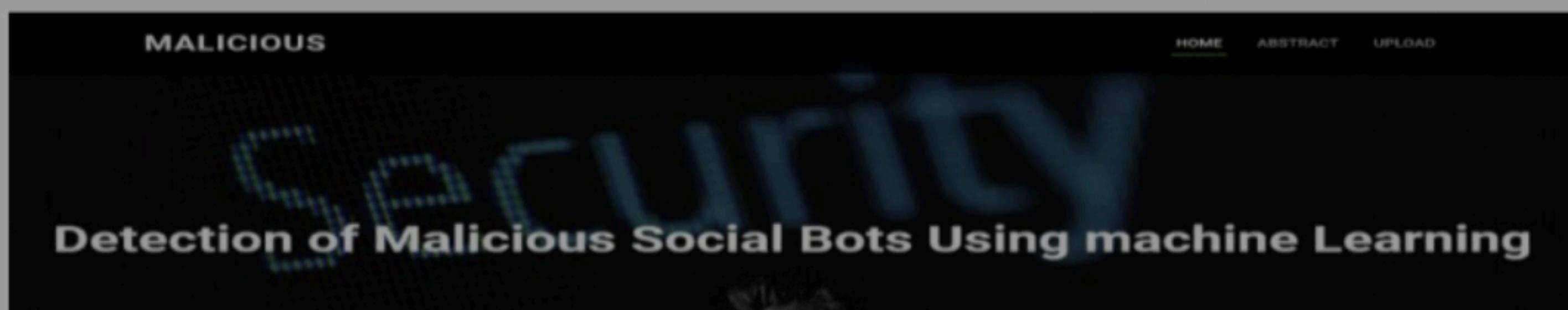


Fig 10.2 Upload Details



FULL DETAILS USERS

user_id	user_name	Email	tweets	prediction	status	action
2	santhosh	sonsandy1993@gmail.com	check this https://www.datacamp.com/	No Malicious	Approved	<button>Block</button>
1	sathish	sathish@gmail.com	https://www.pexels.com/	No Malicious	Blocked	<button>Block</button>
1	sathish	sathish@gmail.com	views this product website http://citeceramica.com/	Malicious	Blocked	<button>Block</button>
3	jp	jp@gmail.com	https://www.youtube.com/	No Malicious	Approved	<button>Block</button>
3	jp	jp@gmail.com	view this video https://www.youtube.com/	No Malicious	Approved	<button>Block</button>

Fig 10.9 Full Details of User



Fig 10.10 Analysis