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ICCCI Jan 2022 Submission

2022 INTERNATIONAL CONFERENCE ON COMPUTER COMMUNICATION AND INFORMATICS

25-27 Jan 2022

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HELLO SIDDHANT TIWARI

Paper ID	450
Paper Title	MALICIOUS WEBSITE NAVIGATION PREVENTION USING CNNs AND URL VECTORS : A STUDY
Author Name	Siddhant Tiwari
Author Category	Student
Author Dept	CS
Paper Category	Others
First Author Country	India
Initial Screening Status	Accepted
Plagiarism Status	Accepted
Technical Review Status	Accepted
Reviewer Comments	The concept of the paper is good. Well drafted. The quality of images and alignment shall be ensured. Adhere to ieee CRC template in the final submission.
Registration Status	
Payment Status	Accepted

IMPORTANT DATES

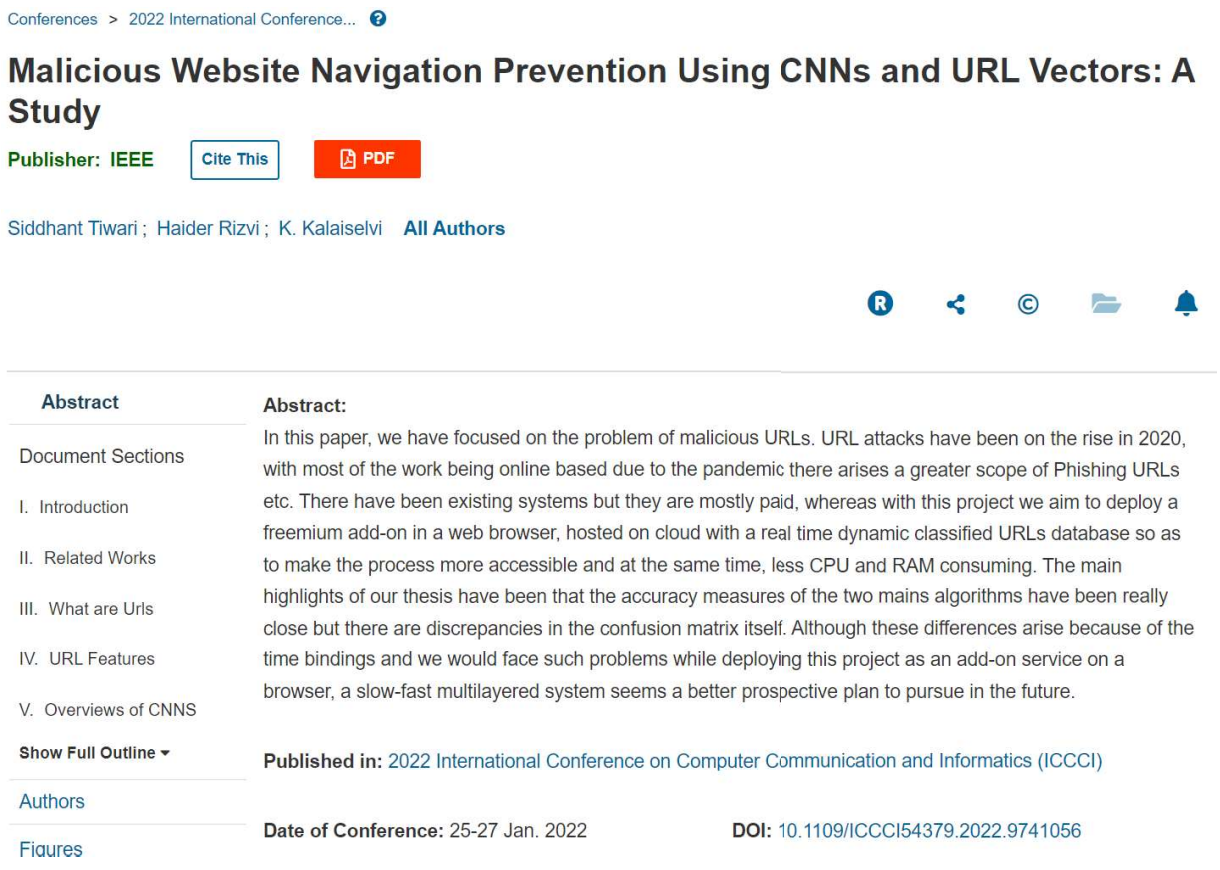
- Jan 10 — 10 Jan 2022 — Full Paper Submission Deadline
- Jan 15 — 15 Jan 2022 — Notification Of Paper Acceptance
- Jan 05 — 05 Jan 2022 — Commencement Of Conference Registration
- Jan 22 — 22 Jan 2022 — Conference Registration Deadline

1300 PAPERS IN IEEE XPLORE

- ICCCI 2021 (260)
- ICCCI 2020 (138)
- ICCCI 2019 (98)

LIST OF PUBLICATIONS

ICCCI Jan 2022 Publication



Conferences > 2022 International Conference...

Malicious Website Navigation Prevention Using CNNs and URL Vectors: A Study

Publisher: IEEE | Cite This | PDF

Siddhant Tiwari ; Haider Rizvi ; K. Kalaiselvi All Authors

Abstract

Document Sections

I. Introduction

II. Related Works

III. What are Urls

IV. URL Features

V. Overviews of CNNS

Show Full Outline

Authors

Figures

Abstract:

In this paper, we have focused on the problem of malicious URLs. URL attacks have been on the rise in 2020, with most of the work being online based due to the pandemic there arises a greater scope of Phishing URLs etc. There have been existing systems but they are mostly paid, whereas with this project we aim to deploy a freemium add-on in a web browser, hosted on cloud with a real time dynamic classified URLs database so as to make the process more accessible and at the same time, less CPU and RAM consuming. The main highlights of our thesis have been that the accuracy measures of the two mains algorithms have been really close but there are discrepancies in the confusion matrix itself. Although these differences arise because of the time bindings and we would face such problems while deploying this project as an add-on service on a browser, a slow-fast multilayered system seems a better prospective plan to pursue in the future.

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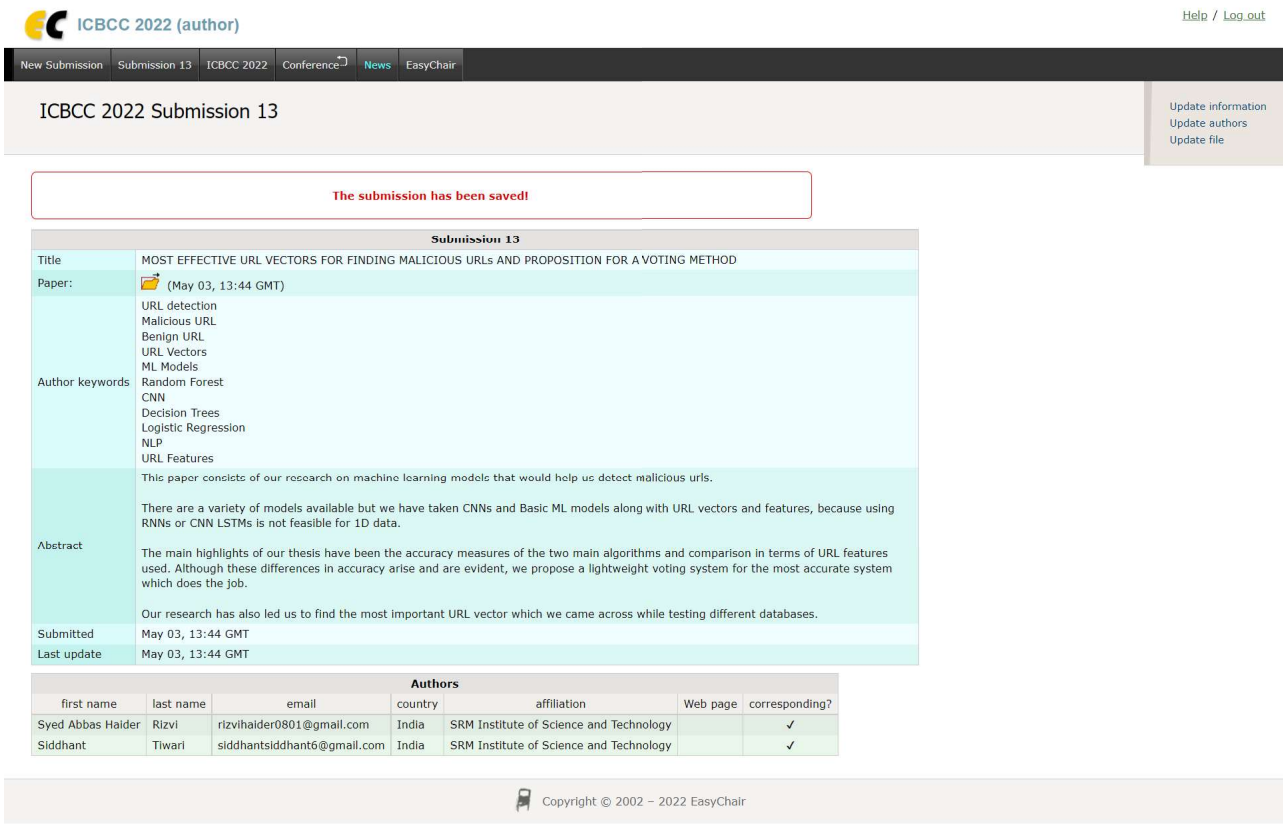
Paper Publishment Link: https://ieeexplore.ieee.org/document/9741056

ICBCC May 2022 Submission



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Submission 13	
Title	MOST EFFECTIVE URL VECTORS FOR FINDING MALICIOUS URLs AND PROPOSITION FOR A VOTING METHOD
Paper:	(May 03, 13:44 GMT)
Author keywords	URL detection Malicious URL Benign URL URL Vectors ML Models Random Forest CNN Decision Trees Logistic Regression NLP URL Features
Abstract	This paper consists of our research on machine learning models that would help us detect malicious urls. There are a variety of models available but we have taken CNNs and Basic ML models along with URL vectors and features, because using RNNs or CNN LSTMs is not feasible for 1D data. The main highlights of our thesis have been the accuracy measures of the two main algorithms and comparison in terms of URL features used. Although these differences in accuracy arise and are evident, we propose a lightweight voting system for the most accurate system which does the job. Our research has also led us to find the most important URL vector which we came across while testing different databases.
Submitted	May 03, 13:44 GMT
Last update	May 03, 13:44 GMT

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