SREC

ABISHEK PS <abishek.1901002@srec.ac.in>

[IEEE CSR 2022, Virtual Conference] Submission ID 98

1 message

IEEE-CSR Conference <info@ieee-csr.org> 19 May 2022 at 19:43
To: abishek.1901002@srec.ac.in, info@ieee-csr.org

Thank you for your submission to IEEE CSR 2022, Virtual Conference. Below is a copy of the information submitted for your records.

Submission ID: 98

Title: Phishing link detection using supervised machine learning algorithm

Author 1:
First Name: Abishek
Last Name: PS
Choose Participant Type: Non-IEEE Student
Organization: Sri Ramakrishna Engineering College
Address: SREC, Vattamalaipalayam, NGGCo Colony, Coimbatore
Country: India
Email: abishek.1901002@srec.ac.in
Biography:

Author 2:
First Name: Aditya
Last Name: Kushwaha
Choose Participant Type: Non-IEEE Student
Organization: Sri Ramakrishna Engineering College
Address: SREC, Vattamalaipalayam, NGGCo Colony, Coimbatore
Country: India
Email: aditya.1901004@srec.ac.in
Biography:

Author 3:
First Name: Arjun
Last Name: RU
Choose Participant Type: Non-IEEE Student
Organization: Sri Ramakrishna Engineering College
Address: SREC, Vattamalaipalayam, NGGCo Colony, Coimbatore
Country: India
Email: arjun.1901016@srec.ac.in
Biography:

Author 4:
First Name: Ashwin
Last Name: Balaji PL
Choose Participant Type: Non-IEEE Student
Organization: Sri Ramakrishna Engineering College
Address: SREC, Vattamalaipalayam, NGGCo Colony, Coimbatore
Country: India
Email: ashwin.1901023@srec.ac.in
Biography:

Contact Author: Author 1

Alternate Contact: abishek292001@gmail.com

Presenter Author: Author 1

Topic(s): 2T4 Data Science for Cyber Security (DS4CS)

Keywords: XGBoost, Feature extraction

Summary: Phishing link detection using supervised machine learning algorithm - Phishing links can be detected using machine learning algorithms. Most efficient way is using a supervised machine learning algorithm and to choose a perfect algorithm for the dataset which has relevant features. When proper features merge with proper algorithm, the accuracy will be much higher. The algorithm used here is extreme gradient boosting or XGBoost. It is a supervised learning algorithm which is suitable for decision making. XGBoost performs much better than other relevant algorithms. 30 features are extracted from the url which is used to predict the link is a phishing url or a legitimate url.

Submission Type: Regular Paper

Comments: