Aditya College of Engineering & Technology

Aditya Nagar, ADB Road, Surampalem - 533437

DEPARTMENT OF INFORMATION TECHNOLOGY

B. Tech 4/4, II-SEMESTER

II Semester 2020-21

PHISHING WEBSITE FEATURE CLASSIFICATION USING DEEP LEARNING

ABSTRACT

Phishing are one of the most common and most dangerous attacks among cybercrimes. Phishing is a cybercrime in which a target or targets are contacted by someone to lure individuals into providing sensitive data. The aim of these attacks is to steal the information used by individuals and organizations to conduct transactions and to lure individuals into providing sensitive data such as personally identifiable information, banking and credit card details, and passwords. This project deals with deep learning technology for detection of phishing URLs by extracting and analysing various features of phishing URLs. Decision Tree, random forest and Support vector machine algorithms are used. Aim of the project is to detect phishing URLs as well as narrow down to best deep learning algorithm by comparing accuracy rate, false positive and false negative rate of each algorithm.

Phishing attack is a simplest way to obtain sensitive information from innocent users. Aim of the phishers is to acquire critical information like username, password and bank account details. Cyber security persons are now looking for trustworthy and steady detection techniques for phishing websites detection. This project deals with deep learning technology for detection of phishing URLs by extracting and analysing various features of legitimate and phishing URLs. Decision Tree, random forest and Support vector machine algorithms are used to detect phishing websites. Detecting the phishing attack with high accuracy is the main aim of this project.

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Course Outcomes (COs)

Course Outcomes

After completing this course, the student will be able to:

CO Number	CO Statement	Taxonomy
CO1	Demonstrate the technical knowledge to identify problems in the field of Information Technology and its allied areas.	Understand
CO2	Use literature to identify the objective, scope and the concept of the work.	Apply
CO3	Analyze and formulate technical projects with a comprehensive and systematic approach.	Analyse
CO4	Identify the modern tools to implement technical projects.	Evaluate
CO5	Design engineering solutions for solving complex engineering problems.	Create
CO6	Develop effective communication skills, professional behaviour and team work.	Understand

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CO-PO/PSO MATRIX:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
CO1	2	2	1	1		1			3	1	1	1	2	2	
CO2	2	2	1	1		1			3	2	2	2	2	2	
CO3	2	3	2	2		1			3	2	2	2	2	1	1
CO4	2	1	3	2	3	1	1	2	3	2	2	2	3	2	1
CO5	2	2	3	3	1	1		1	2	2	1	2	3	3	2
CO6	2			2	1	1	1	2	2	3	3	3	1	1	2
Course	2.0	1.7	1.7	1.8	0.8	1.0	0.3	0.8	2.7	2.0	1.8	2.0	2.2	1.8	1.0

PO1	Engineering Knowledge	PO7	Environment & Sustainability
PO2	Problem Analysis	PO8	Ethics
PO3	Design / Development of Solutions	PO9	Individual & Team Work
PO4	Conduct Investigations of complex problems	PO10	Communication Skills
PO5	Modern Tool usage	PO11	Project Management & Finance
PO6	Engineer & Society	PO12	Life-long Learning

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