Submission Summary

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Artificial Intelligence, Computer Networks, and Security

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27

Paper Title
CyberCops: Combating Facebook Cyberbullying using NLP Classification Techniques

Abstract

Unprecedented opportunities for connection and communication have been brought about by the growth of the internet and social media. Cyberbullying, a new type of bullying, has emerged as a result. With so many people using the internet, cyberbullying is becoming a widespread problem that affects individuals of all ages and backgrounds. Cyberbullying may have long-lasting impacts on victims, from painful messages to harmful posts. Today's methods for determining how vulnerable critical infrastructure mostly depend on the personnel of security operations centers. (SOCs). (2017) Feng and co. However, dynamic CIs and attack surface evaluation require certain properties that traditional manual and subjective audits lack. In this thesis paper, we propose a method for detecting cyberbullying on Facebook using Natural Language Processing (NLP) techniques. NLP is a subfield of artificial intelligence that focuses on the interaction between computers and human language. Our approach involves analyzing the content of Facebook posts and comments using NLP to identify patterns and markers of cyberbullying. By doing so, we hope to provide a more effective and efficient means of detecting and preventing cyberbullying on Facebook, which could ultimately lead to a safer and more positive online environment.

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Submission Files

CyberCops Combating Facebook Cyberbullying using NLP Classification Techniques.pdf (145.2 Kb, 5/14/2023, 5:44:16 PM)