## 

**Individual Report**

**Member name:** [Rahul Nayak](mailto:rrnayak@asu.edu)

**Evaluated by:** [Anuranjan Dubey](mailto:adubey37@asu.edu) [Gautham Vijayaraj](mailto:gvijaya6@asu.edu)  
**Date: September 16th, 2023**

**Tasks Assigned:**

* Work on individual in-depth report
* Preparing individual progress report
* Evaluating Avani’s individual progress report and in-depth report

**Summary:**

* Over the past few weeks, I've been immersing myself in research papers concerning different forms of Suspicious behavior occurring on social media platforms. This week, my focus will be delving extensively into the topic of spam accounts on social media.
* The paper provides us with information and explains the context and motivation for the study.Here the following topics are addressed:
* The increasing importance of social media in modern society.
* The growing threats and challenges posed by malicious activities on social platforms.
* The need for automated methods (data mining and machine learning) to detect and combat these threats.
* The paper mainly tackles the critical issue of detecting Spam accounts on social media like twitter, a problem that has become increasingly important with the widespread use of these platforms.
* The paper employs data mining and machine learning techniques to solve this problem, making it valuable for those interested in applying these technologies to real-world problems.
* The paper also provides an explanation of how data was collected from social media platforms for performing data mining and machine learning, considering ethical and privacy considerations.
* The paper discusses details on the features or attributes used for data analysis and implementing machine learning algorithms, explaining why they are relevant for detecting spam accounts.
* The authors of the paper mainly state that the model's effectiveness is assessed through various metrics such as accuracy, detection rate, true positive rate, recall, precision, and F-scores.

**Outcome:**

Overall,the outcome of studying this paper can enhance our knowledge of social media security, data mining, and machine learning while also contributing to the ongoing efforts to make social media platforms safer for users.

**References** *(with citation)*

[1] S. Gheewala and R. Patel, "Machine Learning Based Twitter Spam Account Detection: A Review," 2018 Second International Conference on Computing Methodologies and Communication (ICCMC), Erode, India, 2018, pp. 79-84, doi: 10.1109/ICCMC.2018.8487992

**Evaluation of Report  
  
Evaluation by:** [Anuranjan Dubey](mailto:adubey37@asu.edu) **Date: September 16th, 2023**

**Is the weekly member report complete with all the major result(s) of the paper(s)? If not, provide as many examples of the major result(s) missing in the written report as possible. (in bullet form). [within 100 words]**

* The report effectively summarizes the paper's context, motivation, and methodology.
* It highlights the importance of social media, the challenges posed by malicious activities, and the need for automated methods.
* It discusses data collection, ethical considerations, and the relevance of features for spam account detection.

**Is each section of the guidelines sufficiently completed? If not, point out what is missing. [Normally within 40 words].**

Yes, each section of the guidelines is sufficiently completed.

**Is the quality of this version of the written report satisfactory? If not, then why not? [Normally within 40 words]**

Yes

**Approved by:** [Gautham Vijayaraj](mailto:gvijaya6@asu.edu) **Date: 9/18/2023**