**Individual In-depth Report**

**Member name:** [Yeshwanth Reddy Chennur](mailto:ychennur@asu.edu)

**Evaluated by:** [Avani Mundra](mailto:amudra@asu.edu)

**Date:** Sep 4, 2023

**Tasks Assigned:**

* Reviewing the paper titled "Towards automated real-time detection of misinformation on Twitter,".

**Summary:**

* The paper titled "Towards automated real-time detection of misinformation on Twitter" by S. Jain, V. Sharma, and R. Kaushal, presented at the 2016 International Conference on Advances in Computing, Communications, and Informatics, addresses the issue of identifying and combating misinformation on the popular social media platform, Twitter.
* The authors of this study suggest a real-time automatic detection method to stop the spread of false information on Twitter. Utilizing computational methods and algorithms to spot inaccurate or misleading information in tweets is the project's main goal. The system's goal is to enable immediate misinformation identification and prevention, which is essential in the modern day of quickly spreading fake news.
* The paper outlines the methodology used for misinformation detection, which likely includes natural language processing (NLP) techniques, sentiment analysis, and data mining approaches. The authors emphasize the significance of real-time detection to minimize the impact of false information and curb its dissemination.
* The paper demonstrates the significance of automated systems in resolving the issues brought on by the quick spread of false material on social media, even though it does not go into great technical detail. The suggested strategy intends to help users, organizations, and authorities recognize and effectively address misinformation.

**Outcome:**

* The outcome of this paper is the proposal of an automated real-time detection system for misinformation on Twitter, with a focus on leveraging computational techniques such as natural language processing (NLP) and data mining. It emphasizes the significance of real-time detection to combat the rapid spread of false information on social media.

**References:**

[1] S. Jain, V. Sharma and R. Kaushal, "Towards automated real-time detection of misinformation on Twitter," *2016 International Conference on Advances in Computing, Communications and Informatics (ICACCI)*, Jaipur, India, 2016, pp. 2015-2020, doi: 10.1109/ICACCI.2016.7732347.

**Evaluation of Report**

**Evaluation summary with justification.**

The summary of the paper presented is concise and accurate. The member talks about various methods used to spot suspicious information. The methodology of Natural Language Processing has also been described and its significance has been mentioned effectively.

**The quality of the major result(s) with justification.**  
The major results have been outlined and explained in the report. The need, implementation and outcome of the proposed methodology have been explained.

**The usefulness of the paper to the overall project.**   
The paper precisely discusses misinformation detection, an integral part of dealing with Information Assurance and Security in main project topic.

**Other comments**

**Evaluation Approval  
  
Evaluation by:** [Avani Mundra](mailto:amudra@asu.edu) **Date:** 9/4/2023

**Is the written report of the in-depth study 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). [Normally within 100 words]**

Yes.

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

Yes.

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

Yes.

**Approval.  
  
Approved by:** [Gautham Vijayaraj](mailto:gvijaya6@asu.edu) **Date: 9/4/2023  
  
Is the quality of this written in-depth study report and Evaluation report satisfactory? If not, then why not? (limit: 40 words)**

Yes, The report justifies the content of the paper and the quality of this in-depth study report and evaluation report is satisfactory.