## *Disclaimer: The following document is intended to provide general guidance on the use of this template. Please refer to the template for the specific format and content requirements. You may also add additional information to the template as needed for your specific progress.*

**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: 09/23/2023**  
**Tasks Assigned:**

* To write a thorough report outlining the tasks and responsibilities completed till date.

**Summary:**

* In the first week I was assigned the task of doing a literature survey for the topic “Detection of Suspicious Activities on Social Media Using Data Mining and Machine Learning” .I selected the research topic types of suspicious/Malicious activities that happen in social media, Hence came up with 4 research papers for the same.I was given the opportunity to create and maintain the GANTT chart in this week, which aided in the effective management of project timelines. I was also given the task of evaluating [Avani Mundra](mailto:amudra@asu.edu)’s Weekly progress report and In depth report. This was a recurring task that I had to complete every week.
* In the second week,I prepared my progress report and in depth report for the paper **Suspicious Behavior Detection Current Trends and Future Directions.**
* In the third week I prepared my progress report and in depth report for the paper **Malicious Profile Detection on Social Media: A Survey Paper.** I plan on doing a review on different types of malicious/suspicious activity every week. This week there were malicious profiles on Social media.
* In the fourth week I was responsible for developing the weekly report. I also prepared a progress report and in depth report for the paper **Machine Learning Based Twitter Spam Account Detection A Review.** This week the type of malicious activity was spam accounts on twitter and detection using machine learning techniques.
* In the fifth week,I prepared my progress report for the paper **Detecting spammers on social networks** and alsowas responsiblefor preparing the midterm review report.
* The progressive reports for every week can be found below:
  + Week0: [Literature Survey](https://drive.google.com/drive/u/1/folders/18Pne8L73t_s6s09hkyHx-GXYFexZ5wQY), [Gantt Chart](https://docs.google.com/spreadsheets/d/1TpkQiW_teJU5ORx2j8N8k_ihbj1cB_Zh/edit#gid=1653990051)
  + Week1: [Rahul\_Nayak\_Individual\_Progress\_Report.docx](https://docs.google.com/document/d/1_mSROGgfWuXsIPxYOFd9zrkaWaS6eiRO/edit?usp=drive_link&ouid=117613874970212534075&rtpof=true&sd=true)
  + Week2: [Rahul\_Nayak\_Individual\_Progress\_Report.docx](https://docs.google.com/document/d/1hJPdcsqCJeYmry3lKXqgmbHwCECWVaaE/edit?usp=drive_link&ouid=117613874970212534075&rtpof=true&sd=true)
  + Week3: [Rahul\_Nayak\_Individual\_Progress\_Report.docx](https://docs.google.com/document/d/1sh4xs6wa3JC6MQudNHu1CL3DuyLi4i-F/edit?usp=drive_link&ouid=117613874970212534075&rtpof=true&sd=true)
  + Week4: [Rahul\_Nayak\_Individual\_Progress\_Report](https://docs.google.com/document/d/1YkxUvOkzoAqc9Ol5dVMgXKWOg22FQpV-lgttAL4WOxs/edit#heading=h.gjdgxs)

**Outcome:**

Overall, I contributed in researching on topics for Detection of Suspicious Activities on Social Media Using Data Mining and Machine Learning, preparing progress reports, In - depth report for individual research papers, preparing gantt chart and weekly reports.

**References** *(with citation)*

[1] M. Jiang, P. Cui and C. Faloutsos, "Suspicious Behavior Detection: Current Trends and Future Directions," in IEEE Intelligent Systems, vol. 31, no. 1, pp. 31-39,   
  
[2] S. Shinde and S. B. Mane, "Malicious Profile Detection on Social Media: A Survey Paper," 2021 9th International Conference on Reliability, Infocom Technologies and Optimization (Trends and Future Directions) (ICRITO), Noida, India, 2021, pp. 1-5.  
  
[3] 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: 24th September 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]**

* Yes, the Midterm Individual report is complete with all the major work listed and attached with an individual report per week.

**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: 24th September 2023**