**Individual Report**

**Member name: Sangeeth Santhosh**

**Evaluated by:** [Justin Young](mailto:jtyoun15@asu.edu)[Gautham Vijayaraj](mailto:gvijaya6@asu.edu)

**Date: 09/23/23**

**Tasks Assigned:**

* To write a comprehensive report describing the tasks and responsibilities accomplished till present date.

**Summary:**

* As a member, I was actively involved in all the tasks that were assigned me to each week right from the get go.
* In the first week, I completed the task of finding research papers related to the project. Along with this, I assisted in the preparation of the project plan, by working on the project scope and finding the specific research in the domain.
* In the second week, I performed the following tasks –
  + Selected one specific research topic that I would be working on for the whole duration of the project. The topic which I selected was model evaluation, which comes under project risks.
  + Found 3 more research papers which are relevant to the project.
  + Prepared my individual in-depth report of one of the research papers found - ‘Classifying Suspicious Content on Social Media Networks’.
  + Prepared my weekly individual progress report.
  + Evaluated the individual and in-depth reports of one team member.
  + Took meeting notes for that particular week.
  + Prepared weekly report.
* In the third week, I performed the following tasks –
  + Prepared my individual in-depth report of one of the research papers found – ‘A new approach for the detection and analysis of phishing in social networks: the case of Twitter’.
  + Prepared my weekly individual progress report.
  + Evaluated the individual and in-depth reports of one team member.
* In the fourth week, the following tasks were performed by me –
  + Prepared my individual in-depth report of one of the research papers found – ‘Exploring and Detecting Opinion Spam on Social Media’.
  + Prepared my individual progress report.
  + Evaluated the individual and in-depth reports of one team member.
* In the fifth week, the following tasks were performed by me –
  + Preparing my individual in-depth report of one of the research papers found – ‘Spam Filtering of Bilingual Tweets using Machine Learning’.
  + Prepared my individual progress report.
  + Evaluated the individual and in-depth reports of one team member.
  + Aided in preparing the midterm review report.
  + Prepared individual midterm report.
* The progressive reports for every week can be found below:
  + Week1: [Weekly\_Report\_#0\_CSE 543\_Group\_1-5.docx](https://docs.google.com/document/d/15kbBNp9XjOqkM1fqZjIT-5aGyXUpRX09/edit?usp=drive_link&ouid=100662470547641371728&rtpof=true&sd=true)
  + Week2:  [Sangeeth\_Santhosh\_Individual\_Progress\_Report](https://docs.google.com/document/d/1mJKAvcl-872Ap1Wq7pEbP05S3upJQ3oqipjobqhv7sA/edit?usp=drive_link)
  + Week3: [Sangeeth\_Santhosh\_Individual\_Progress\_Report.docx](https://docs.google.com/document/d/1Uld5nqTn8FBifmCflsjxT7SA5HFWMfbz/edit?usp=drive_link&ouid=100662470547641371728&rtpof=true&sd=true)
  + Week4: [Sangeeth Santhosh\_Individual\_Progress\_Report.docx](https://docs.google.com/document/d/1FOREg5kyL8Yzmhgep8Ea0CIf5leqsNa2/edit?usp=drive_link&ouid=100662470547641371728&rtpof=true&sd=true)
  + Week5: [Sangeeth Santhosh\_Individual\_Progress\_Report.docx](https://docs.google.com/document/d/1t7i7HxTur9bPyK1P_1L5amxz-Cjvemv2/edit?usp=drive_link&ouid=100662470547641371728&rtpof=true&sd=true)

**Outcome:**

Overall, I contributed to (i) the main topic of the project – Detection of Suspicious Activities on Social Media using Machine Learning and Data Mining by finding relevant research papers, (ii) preparation of progress reports and in-depth reports and (iii) preparation of weekly reports.

**References** *(with citation)*   
  
[1] Y. Xiao and J. Qiu, "Exploring and Detecting Opinion Spam on Social Media," 2020 Chinese Automation Congress (CAC), Shanghai, China, 2020, pp. 7570-7573, doi: 10.1109/CAC51589.2020.9327093.

[2] H. Afzal and K. Mehmood, "Spam filtering of bi-lingual tweets using machine learning," 2016 18th International Conference on Advanced Communication Technology (ICACT), PyeongChang, Korea (South), 2016, pp. 710-714, doi: 10.1109/ICACT.2016.7423530.

[3] P. Sinha, O. Maini, G. Malik and R. Kaushal, "Ecosystem of spamming on Twitter: Analysis of spam reporters and spam reportees," 2016 International Conference on Advances in Computing, Communications and Informatics (ICACCI), Jaipur, India, 2016, pp. 1705-1710, doi: 10.1109/ICACCI.2016.7732293.

[4] N. A. Ghanem and H. M. Habeeb, "Classifying Suspicious Content on Social Media Networks," 2021 International Conference on Advanced Computer Applications (ACA), Maysan, Iraq, 2021, pp. 171-175

[5] K. A. Djaballah, K. Boukhalfa, Z. Ghalem and O. Boukerma, "A new approach for the detection and analysis of phishing in social networks: the case of Twitter," 2020 Seventh International Conference on Social Networks Analysis, Management and Security (SNAMS), Paris, France, 2020, pp. 1-8

**Evaluation of Report  
  
Evaluation by:** [Justin Young](mailto:jtyoun15@asu.edu) **Date: 9/24/2023**

**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, all major results of the chosen research papers is covered

**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 are sufficiently completed.

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

Yes, the quality of the written report is satisfactory.

**Approved by:** [Gautham Vijayaraj](mailto:gvijaya6@asu.edu) **Date: 9/24/2023**