**Individual Report**

**Member name:** [Sangeeth Santhosh](mailto:ssantho9@asu.edu)

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

**Date: 10/07/23**

**Tasks Assigned:**

* Visited the writing center and had an appointment with a graduate writing tutor.
* Preparation and Evaluation of individual progress reports.
* Read not-so important papers

**Summary:**

* Reviewed previously completed research papers, got them checked at the graduate writing center and made changes wherever necessary.
* Read the research papers classified as not-so important, which are to be read by all the team members.
* The main changes were made in the review of the research paper - ‘Ecosystem of Spamming on Twitter: Analysis of Spam Reporters and Spam Reportees’ post visit of the graduate writing center.

[Sangeeth\_Santhosh\_Writing\_Center\_Confirmation.png](https://drive.google.com/file/d/1L5mWZofi74Ge3zb0Cb36V-h6oJ2kfUst/view?usp=drive_link)

* A brief description of different algorithms covered in the research paper and quantitative measures of each of the algorithms was added to the in-depth report of the research paper upon suggestion of the graduate writing tutor.
* Evaluation of individual progress reports of one team member was completed successfully.
* The research paper read this week was ‘Profile Similarity Recognition in Online Social Network using Machine Learning Approach’.
* The paper focuses on checking and detection of fake profiles in Online Social Networks using machine learning algorithms. The main programming language that the paper focuses on is Python.
* The model proposed in the research paper has the following steps - Collection and pre-processing of datasets, Data Validation, Splitting of dataset, Application of algorithms and comparison of results obtained by each algorithm.
* Post the completion of all the steps, it is obtained that the best value of accuracy is obtained by Deep Neural Networks (DNN) with a value of 96%.

**Outcome:**

All the tasks assigned this week - getting reports of research papers reviewed at the writingcenter and making required changes, preparation and evaluation of individual progress reports and reading of not-so important research papers was completed successfully.

**References** *(with citation)*  
  
[8] T.R Soumya, S.Solai Manohar, N.Bala Sundara Ganapathy, Leema Nelson, A. Mohan, M.Thurai Pandian. "Profile Similarity Recognition in Online Social Network using Machine Learning Approach" in International Conference on Inventive Research in Computing Applications (ICIRCA), 29 December 2022, Pages 805-809. ISSN 22473631 doi:10.1109/ICIRCA54612.2022.9985683.

**Evaluation of Report  
  
Evaluation by:** [Justin Young](mailto:jtyoun15@asu.edu) **Date:10/8/23**

**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, this report covers all major results from this week’s tasks

**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: 10/9/2023**