ECE 591 Work Log

Spring 2024

Team name: Group 10

Team Lead / Email: Adel Agha/ adelagha@uvic.ca

| Member Name/Program | Role / Contributions:  (Be Specific\*) | Hours Spent |
| --- | --- | --- |
| Paulina Gonzalez/MADS | Investigation and literature review on a machine learning technique(SVM) to address the specified problem for the project. Included summary for presentation. | 3 |
| Zixin Li/MADS | Write the introduction and the literature review for the paper "Detection of Phishing Attacks: A Machine Learning Approach." in the K-means section.  Create slides for the K-means section. | 2.5 |
| Summer Liu/MADS | Write the introduction and the literature review for the paper "Novel Method of Spam Mail Detection Using Text-Based Clustering Approach" in the K-means section.  Serve as a project presenter. | 3 |
| Jharna kumari/ MADS | Actively participated in discussion of the project with inputs on analysis and development of the project. Contributed by performing visualisation of cleaned and preprocessed data using Python matplotlib and tsne plot library to gain deeper insights into the exisiting structure of the dataset. Included plots into the Data Visualisation slide for presentation and report.Actively participated in discussion of the project with inputs on analysis and development of the project. Contributed by performing visualization of cleaned and preprocessed data using Python matplotlib and t-sne plot library to gain deeper insights into the existing structure of the dataset. Included plots into the Data visualization slide for presentation and report. | 4 |
| Jheel Chirag Shah/ MADS | Participated in project discussions, suggesting data preprocessing and machine learning models. Performed data preprocessing/ cleaning as well as feature engineering using Python. Shared data with a teammate for further visualization. Added content to presentation and report slides.  Served as a project presenter. | 4 |
| Bilel Matmti | Insights and findings detailing common patterns, characteristics, and features associated with phishing emails. Contributed to the completion of the report. | 5 |
| Adel Agha | Participated in project discussions, researched the dnn technique autoencoders. Created presentation slides for the dnn technique, its variation and conclusion. Contributed to the project report for my research part. Served as a project presenter | 4 |
| Birva Patel | Participated in team discussion on problem formulation. I explained our analysis techniques and shared our findings during the project presentation, answering questions to clarify our work. | 2.5 |

* Provide detailed descriptions of tasks performed – eg: analyzed and collated XXX data; created and edited slides for the presentation, served as a project presenter, etc

We agree with the information provided here regarding the work performed over the term.:

| Member Name | Signature | Date |
| --- | --- | --- |
| Paulina Gonzalez |  | April 18th, 2024 |
| Zixin Li |  | April 18th, 2024 |
| Summer Liu |  | April 18th, 2024 |
| Jharna kumari |  | April 18th, 2024 |
| Jheel Chirag Shah |  | April 18th, 2024 |
| Bilel Matmti |  | April 18th, 2024 |
| Adel Agha |  | April 18th, 2024 |
| Birva Patel |  | April 18th, 2024 |