**AAI-511 – Team Project Status Update Form**

Fill out this form and submit it by the end of Module 4 in Canvas.

Team Number: Group 2

Team Leader/Representative: Alexis Lim / Carrie Little

Full Names of Team Members:

1. Alexis Lim

2. Carrie Little

3. Ahmad Milad

Title of Your Project: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Short Description of Your Project and Objectives:

The primary objective of this project is to develop a deep learning model that can predict the composer of a given musical score accurately. The project aims to accomplish this objective by using two deep learning techniques: Long Short-Term Memory (LSTM) and Convolutional Neural Network (CNN).

We are focusing on the following composers:

1-Bach

2-Beethoven

3-Chopin

4-Mozart

Description of Your Selected Dataset (data source, number of variables, size of dataset, etc.):

https://www.kaggle.com/datasets/blanderbuss/midi-classic-music

3929 midi files of classical works by 175 composers, including Bach, Beethoven, Mozart, Brahms, Chopin, Tchaikovsky, Strauss, Stravinski, Prokofiev, Rachmaninov, Bernstein, Bartok, Handel, Ravel, Scriabin, and others

Are you using and practicing GitHub as a code hosting platform for version control and collaboration? If yes, provide the link here: <https://github.com/littlecl42/AAI-511-03_Group2>

How many times have your members met in the last two weeks? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

List the specific contributions that each team member is providing for the Final Team Project in the table below.

* **NOTE:** ALL students on the team should contribute equally to the Final Team Project.

|  |  |  |
| --- | --- | --- |
| Alexis Lim | Carrie Little | Ahmad Milad |
| List of contributions | Created GitHub | List of contributions |

Comments/ Roadblocks: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Data Preprocessing EDA-Ahmad

Model 1 LSTM-Carrie

Model 2 CNN-Alexis

Hyperparameter tuning – all

Evaluate Models - All

Project Report Draft-Carrie

Report Review - All

Project Report Final – Alexis

Notebook Structure – Markdown

Project Submittal - Alexis