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

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

Team Number: **AAI-511-03 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: **Composer Classifier**

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**](https://github.com/littlecl42/AAI-511-03_Group2)

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

**Communicated via slack multiple times and held two meetings via Slack Huddle**

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 |
| Model 2 CNN  Hyperparameter tuning – All  Evaluate Models – All  Report Review – All  Notebook Review - All  Project Report Final  Team Rep - Project Submittal | Created GitHub  Team Rep - Project Status Update  Model 1 LSTM  Hyperparameter tuning – All  Evaluate Models – All  Project Report Draft-Carrie  Report Review – All  Notebook Review - All | Data Preprocessing EDA  Feature Selection  Hyperparameter tuning – All  Evaluate Models – All  Notebook Structure/Markdown  Report Review – All  Notebook Review - All |

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

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_