

Abstract Art Generation Using Speech Emotions

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Report

- ECS271_project.pdf

Code

- ECS271_project.ipynb
- ECS271_project_code.pdf
- Colab File:
<https://colab.research.google.com/drive/15AI0qbNLfOMxHwQg6bSS2qyGs4pxn66y?usp=sharing>

Video presentation

- ECS271_project.mp4

Demo

- ECS271_Demo.mp4

Dataset and Trained models

- Drive Link:
https://drive.google.com/drive/folders/1pyTJSFYR_Q5swO_ZQDA8v6xGc55L0_Fo?usp=sharing
- Kaggle Link:
<https://www.kaggle.com/datasets/uwrfkaggler/ravdess-emotional-speech-audio>

Contributions

- Harsha Tolani:
Ideation, Presentation, Report, Training CNN, VQGAN, Base Image generation and collection
- Shivani Kalamadi:
Presentation, Report, Training MLP, CLIP, Dataset Preprocessing
- Sourin Chakrabarti:
Presentation, Report, Training LSTM, Integration, Audio recording