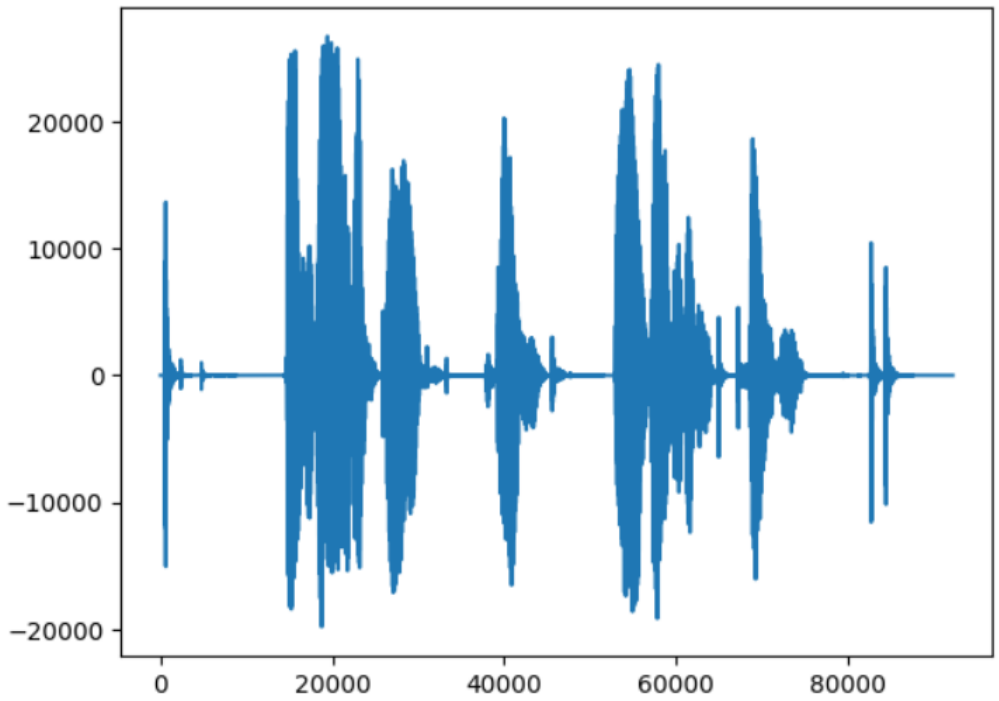
DATASETS containing both AI-generated voice and real voice:-

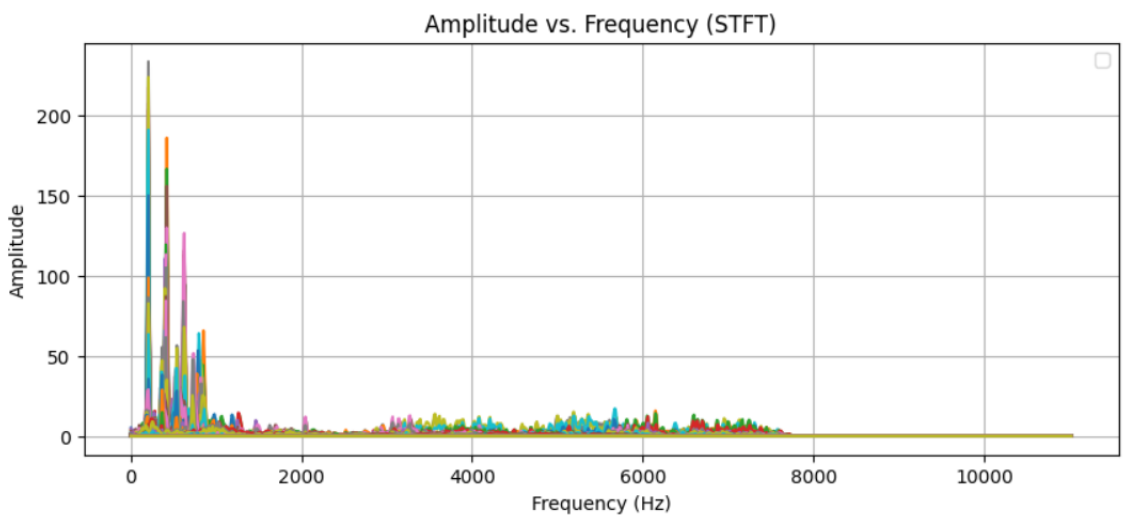
```
test_data
```

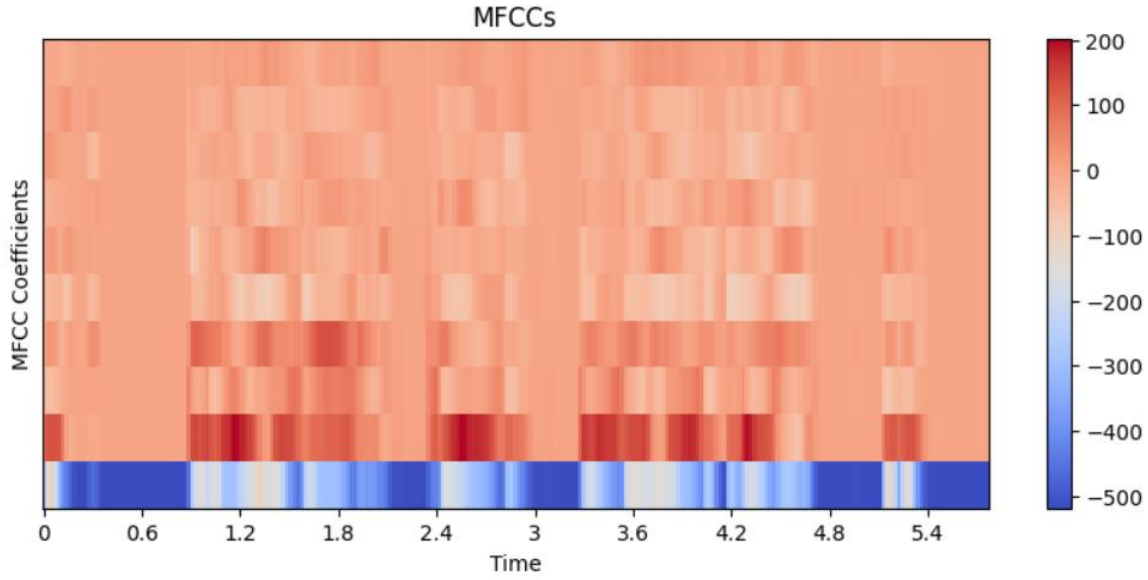
	path	isValid
0	dataset/Human Spoken/test/common_voice_en_1852...	1
1	dataset/Human Spoken/test/common_voice_en_5960...	1
2	dataset/Human Spoken/test/common_voice_en_1052...	1
3	dataset/Human Spoken/test/common_voice_en_1787...	1
4	dataset/Human Spoken/test/common_voice_en_1784...	1
...	...	...
95	dataset/Machine Spoken/test/always_common_voic...	0
96	dataset/Machine Spoken/test/alvin_common_voice...	0
97	dataset/Machine Spoken/test/always_common_voic...	0
98	dataset/Machine Spoken/test/always_common_voic...	0
99	dataset/Machine Spoken/test/always_common_voic...	0

100 rows × 2 columns

Frequency Wave Analysis




Amplitude vs. Frequency (STFT)
Amplitude
Frequency (Hz)
0
50
100
150
200
0
2000
4000
6000
8000
10000


MFCCs
MFCC Coefficients
Time
0
0.6
1.2
1.8
2.4
3
3.6
4.2
4.8
5.4
200
100
0
−100
−200
−300
−400
−500

Model Summary after Testing

```
model.summary()
```

```
Model: "sequential"
_________________________________________________________________
 Layer (type)                Output Shape              Param #
=================================================================
 flatten (Flatten)           (None, 2277550)           0

 dense (Dense)               (None, 128)               291526528

 dropout (Dropout)           (None, 128)               0

 dense_1 (Dense)             (None, 128)               16512

 dropout_1 (Dropout)         (None, 128)               0

 dense_2 (Dense)             (None, 64)                8256

 dropout_2 (Dropout)         (None, 64)                0

 dense_3 (Dense)             (None, 1)                 65

=================================================================
Total params: 291551361 (1.09 GB)
Trainable params: 291551361 (1.09 GB)
Non-trainable params: 0 (0.00 Byte)
_________________________________________________________________
```

https://colab.research.google.com/drive/1J62bxCF5sIe7v1OboM-UX7v7mwLqaLIb?usp=sharing#scrollTo=EMt7_3qIqBd6