Project: Speech Emotion Recognition using Python and Librosa

Output and Screenshot

/Users/devashreepk/Library/Caches/JetBrains/PyCharm2024.3/demo/PyCharmLearningProject/.venv/bin/python /Users/devashreepk/PycharmProjects/Machine-learning/SER project/Main.py

[INFO] Loading data and extracting features...

[INFO] Feature extraction complete. Total samples: 552

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[INFO] Feature extraction complete. Total samples: 552

[INFO] Splitting data...

[INFO] Training model...

[INFO] Evaluating model...

Accuracy: 82.61%

Classification Report:

precision recall f1-score support

calm 0.93 0.76 0.84 50

fearful 0.78 0.94 0.85 50

happy 0.78 0.76 0.77 38

accuracy 0.83 138

macro avg 0.83 0.82 0.82 138

weighted avg 0.84 0.83 0.83 138

[INFO] Done.

Process finished with exit code 0

