The pipeline

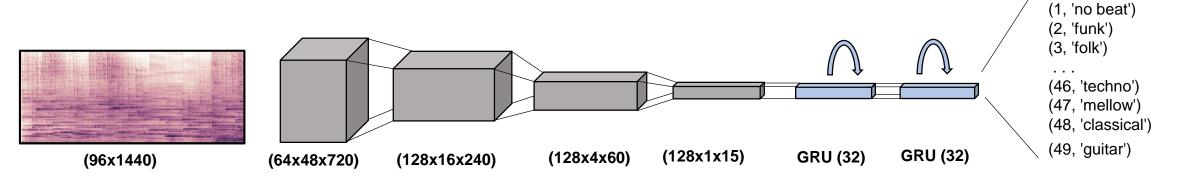
Training the neural Push the trained Music Database Preprocessing network model to the edge Raw MP3 + Labels

- ❖ Host the MP3 files and annotations in cloud storage.
- ❖ Convert raw MP3 files to❖ Teach the neural network Mel-Spectograms.
 - to classify music based on its genre.
- Prediction phase on mobile or edge devices.

Dataset used: MagnaTagATune



Deep Neural Net Architecture



Log Amplitude Mel-Spectrogram

Convolutional Neural Network (CNN)
Stacks

Recurrent Neural Network (RNN) Stacks

(0, 'chorus')

Pre-Processing

