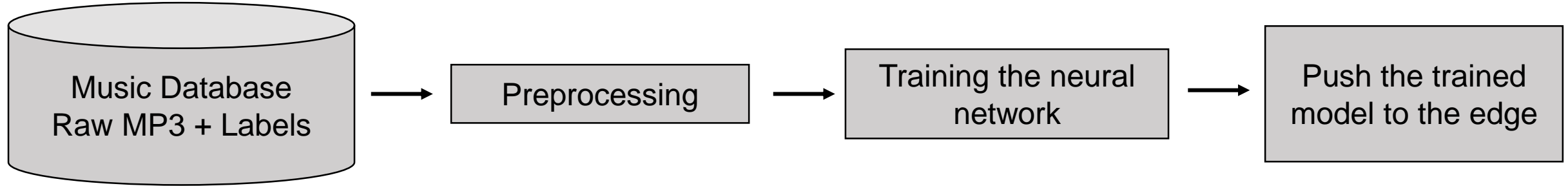


# The pipeline



- ❖ Host the MP3 files and annotations in cloud storage.

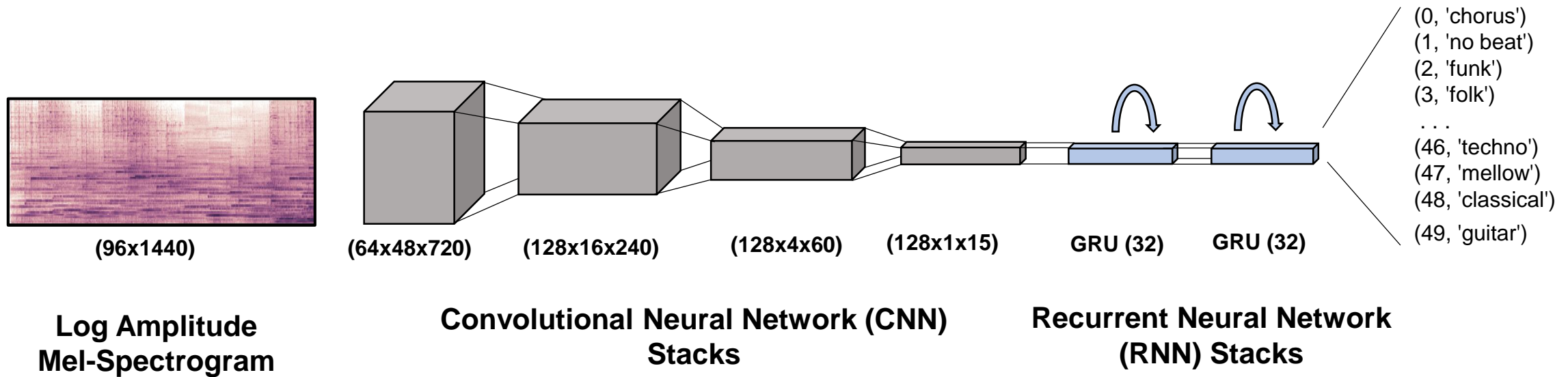
- ❖ Convert raw MP3 files to Mel-Spectrograms.

- ❖ Teach the neural network to classify music based on its genre.

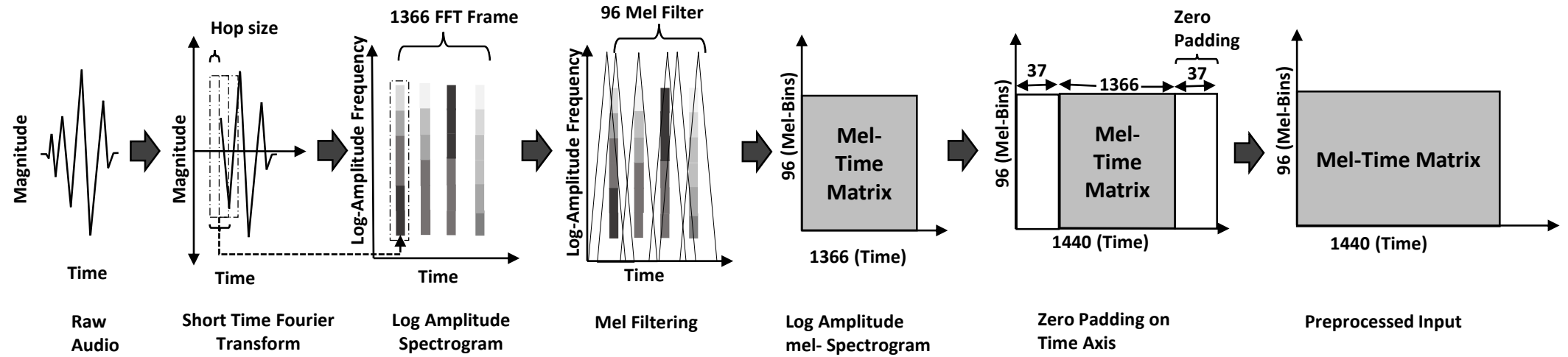
- ❖ Prediction phase on mobile or edge devices.

- ❖ Dataset used: MagnaTagATune

# Deep Neural Net Architecture

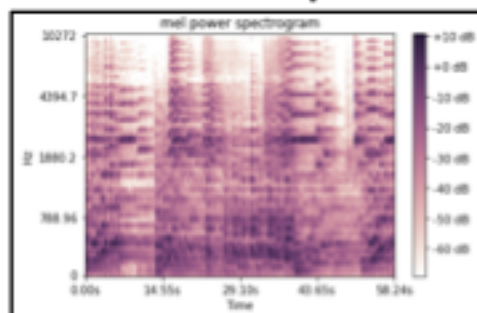


# Pre-Processing





**Mel-Power Spectrum**



**CRNN Model**

