CRNN Model Architecture

Input Processing

Mel-Spectrogram

CNN Module

Feature-Sequence

RNN Module

Attention Mechanism

Dense Layer

Softmax-Output

conv2D 1

conv2D 2

conv2D 3

BiLSTM 1

BiLSTM 2

- Input Processing
- Mel-Spectrogram
- CNN Layer
- Batch Normalization
- Dropout
- RNN Module (BiLSTM Layers)
- Attention Mechanism
- Dense Layer
- Softmax Output
- Max Pooling
- Feature Sequence