

**Spectrogram**

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graph TD; A[Spectrogram] --> B[Encoder 2D]; B --> C[LSTM]; C --> D[Dropout]; D --> E[Dense]; E --> F[Softmax]; F --> G[Predictions];
```

The diagram illustrates a sequential neural network architecture. It begins with a 'Spectrogram' input, which is processed by an 'Encoder 2D' layer. The output of the encoder is then passed through an 'LSTM' layer, followed by a 'Dropout' layer. The resulting features are then processed by a 'Dense' layer, which is followed by a 'Softmax' layer. Finally, the network produces 'Predictions'.

**Encoder 2D**

**LSTM**

**Dropout**

**Dense**

**Softmax**

**Predictions**