1. **State of the Art KWS Algos + Research Papers + GitHub**

<https://paperswithcode.com/sota/keyword-spotting-on-google-speech-commands>

1. **GSCv1 Dataset and info**

<https://ai.googleblog.com/2017/08/launching-speech-commands-dataset.html>

1. **Medium: Full code with Explanation for KWS (GSCv1)**  
   <https://medium.com/analytics-vidhya/speech-recognition-on-google-speech-commands-by-basic-lstmcells-15546a6bd873>
2. **Full YT tutorial + GitHub repo for KWS with TensorFlow and deploy it with Docker as a Flask API on Amazon AWS (GSCv1)**

<https://www.youtube.com/playlist?list=PL-wATfeyAMNpCRQkKgtOZU_ykXc63oyzp>

<https://github.com/musikalkemist/Deep-Learning-Audio-Application-From-Design-to-Deployment>

1. **Keyword Transformer: A Self-Attention Model for Keyword Spotting: Video Tutorial for the implementation of model**

<https://www.youtube.com/watch?v=SXTkGaO4Omw>

1. Librosa Audio Data Augmentation:  
   <https://github.com/alibugra/audio-data-augmentation/blob/master/AudioAugmentation.py>

<https://medium.com/@makcedward/data-augmentation-for-audio-76912b01fdf6>

<https://www.kaggle.com/CVxTz/audio-data-augmentation>

<https://librosa.org/doc/0.8.0/generated/librosa.effects.pitch_shift.html>