Datasources:
Datasets:

1) https://paperswithcode.com/dataset/lssed : copyright database, LSSED
2) TESS: https://tspace.library.utoronto.ca/handle/1807/24487 (Final)
   https://www.kaggle.com/datasets/ejlok1/toronto-emotional-speech-set-tess

3) RAVDESS
   https://www.kaggle.com/datasets/uwrfkaggler/ravdess-emotional-speech-audio
4) SAVEE
   https://www.kaggle.com/datasets/ejlok1/surrey-audiovisual-expressed-emotion-savee
5) Credma-D
   https://www.kaggle.com/datasets/ejlok1/cremad

PreTrained Models:

1) For speech emotion recognition:
   https://huggingface.co/ehcalabres/wav2vec2-lg-xlsr-en-speech-emotion-recognition
   https://huggingface.co/speechbrain/emotion-recognition-wav2vec2-IEMOCAP

2) For speech to text:
   https://huggingface.co/openai/whisper-large-v3
3) For text to speech:
   https://huggingface.co/microsoft/speecht5_tts?text=I
   https://docs.coqui.ai/en/latest/models/xtts.html#training
4) For LLM:
   https://huggingface.co/facebook/blenderbot-400M-distill?text=I%27m+really+sad

Sources for learning:

1) https://medium.com/heuristics/audio-signal-feature-extraction-and-clustering-935319d2225 - for audio signal processing
2) https://youtube.com/playlist?list=PL-wATfeyAMNrtbkCNsLcpoAyBBRJZVlnf&si=4Q4b7Kj8L6Q1wx5e - Deep Learning Audio Classifcation
3) https://youtube.com/playlist?list=PL-wATfeyAMNqIee7cH3q1bh4QJFAaeNv0&si=rK8LktUgW-ZaXPaz - Audio Signal Processing playlist
4) https://youtu.be/Ffw9TZqiFVM?si=ApprqMBN2FNVMzi9 - for Fine Tuning Wav2Vec2
5) https://medium.com/@oluyaled/audio-classification-using-deep-learning-and-tensorflow-a-step-by-step-guide-5327467ee9ab
6) https://blog.paperspace.com/audio-classification-with-deep-learning/
7) https://wandb.ai/mostafaibrahim17/ml-articles/reports/An-Introduction-to-Audio-Classification-with-Keras--Vmlldzo0MDQzNDUy
8) https://machinelearningmastery.com/attention-long-short-term-memory-recurrent-neural-networks/
9) https://medium.com/heuristics/audio-signal-feature-extraction-and-clustering-935319d2225
10) https://medium.com/@karmoaditya/recognizing-emotion-from-speech-using-machine-learning-and-deep-learning-2e1c8f2d3b1d

11) https://scholar.google.co.in/scholar?q=mel+spectrogram+coefficients&hl=en&as_sdt=0&as_vis=1&oi=scholart
12) https://www.analyticsvidhya.com/blog/2022/01/the-complete-lstm-tutorial-with-implementation/