**Use LangChain, Deepgram, and Mistral 7B to Build a Youtube Video Summarization App**

**Use Python file: -**

1. Main.py
2. Download.py
3. Transcribe.py
4. Summarize.py

* **To get more information follow the below link: -**

<https://www.koyeb.com/tutorials/use-langchain-deepgram-and-mistral7b-to-build-a-youtube-video-summarization-app>

## **Steps**

1. [Install and setup Streamlit](https://www.koyeb.com/tutorials/use-langchain-deepgram-and-mistral7b-to-build-a-youtube-video-summarization-app#install-and-setup-streamlit)
2. [Download audio with yt\_dlp](https://www.koyeb.com/tutorials/use-langchain-deepgram-and-mistral7b-to-build-a-youtube-video-summarization-app#download-audio-with-yt-dlp)
3. [Transcribe audio with Deepgram](https://www.koyeb.com/tutorials/use-langchain-deepgram-and-mistral7b-to-build-a-youtube-video-summarization-app#transcribe-audio-with-deepgram)
4. [Summarize transcript with Langchain and Mistral 7B](https://www.koyeb.com/tutorials/use-langchain-deepgram-and-mistral7b-to-build-a-youtube-video-summarization-app#summarize-transcript-with-langchain-and-mistral-7b)
5. [Combine everything in the Streamlit app](https://www.koyeb.com/tutorials/use-langchain-deepgram-and-mistral7b-to-build-a-youtube-video-summarization-app#combine-them-all-together-in-the-streamlit-app)
6. [Deploy to Koyeb](https://www.koyeb.com/tutorials/use-langchain-deepgram-and-mistral7b-to-build-a-youtube-video-summarization-app#deploy-to-koyeb)

## **Install and Setup Streamlit: -**

To install the setup we need to create the env and to create the env follow the below step.

Create the environment: -

1) conda create -n youtube\_sumarization python (create the env)

2) conda activate youtube\_sumarization (activate env)

3) conda deactivate youtube\_sumarization (deactivate env)

Run the code on the anaconda prompt in the created environment.

Now the setup is ready run the streamlit code and save this code as “main.py”

* Create the “download.py” file for the download of the audio from the YouTube video.
* To transcript the audio from the video use Deepgram and save this as “transcribe.py”.
* Summarize the transcript using langchain and mistral and save this as “summarize.py”.

To run all the processes use the anaconda prompt and activate the environment use the syntax “streamlit run main.py”.