

Pre-Requisites

To complete this project, you must require the following software's, concepts, and packages

Anaconda (IDLE / Spyder / PyCharm)(Python 3.9):

<https://www.anaconda.com/products/distribution>

1. Python Packages
2. **Tensorflow**- This package is used as backend support to Keras
3. **Keras**-This package is used for building Neural Network layers
4. **OpenCV**-This package is used for image processing
5. **Flask**- To build a web application
6. **SpeechRecognition**- To recognize the audio
7. **Moviepy** – Convert video to gif
8. **Playsound**- To Play the audio

If you are using anaconda navigator, follow the below steps to download therequired packages:

- Open anaconda prompt as administrator.
- Type "**pip install tensorflow**" and click enter.
- Type "**pip install keras**" and click enter.
- Type "**pip install opencv-python**" and click enter.
- Type "**pip install imutils**" and click enter.
- Type "**pip install flask**" and click enter.
- Type "**pip install SpeechRecognition**" and click enter.
- Type " **pip install moviepy**" and click enter.
- Type " **pip install playsound**" and click enter.
- Type " **pip install scikit-image**" and click enter.
- Type " **pip install gTTS**"and click enter.
- Type " **pip install Pillow**"and click enter.