**Operating System** : Ubuntu

**Programming Language** : Python version 3.7 above

**Installations using pip:**

Command : pip install {below mentioned libraries}

* pyttsx3
* speech\_recognition
* pyjokes
* wikipedia
* pywhatkit
* openai
* pynput
* openweatherapi
* newsapi
* playsound
* gpt4all
* sounddevice

**Installations on system:**

* Install ASLA Development kit

Command: sudo apt-get install libasound-dev

* Install espeak engine

Command: sudo apt-get install espeak

* Install pyaudio

Command 1: sudo apt-get install ffmpeg libav-tools

Command 2: sudo apt-get install libasound-dev portaudio19—dev libportaudio2 libportaudiocpp0

Command 3: sudo pip install pyaudio

**Open Source LLM download(Falcon):**

[click here to download the model](https://gpt4all.io/models/gguf/gpt4all-falcon-newbpe-q4_0.gguf)

Change the path in gpt4.py file to the folder where mode is present.

**Implementation**

Run the main.py file to start the voice assistant .

Note: Place all code files in the same folder.