Text to Speech Conversion Using gTTS
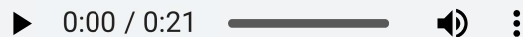
In [1]:
```
pip install gtts
```

Requirement already satisfied: gtts in c:\users\mpami\anaconda3\lib\site-packages (2.5.3)Note: you may need to restart the kernel to use updated packages.

Requirement already satisfied: requests<3,>=2.27 in c:\users\mpami\anaconda3\lib\site-packages (from gtts) (2.32.2)
Requirement already satisfied: click<8.2,>=7.1 in c:\users\mpami\anaconda3\lib\site-packages (from gtts) (8.1.7)
Requirement already satisfied: colorama in c:\users\mpami\anaconda3\lib\site-packages (from click<8.2,>=7.1->gtts) (0.4.6)
Requirement already satisfied: charset-normalizer<4,>=2 in c:\users\mpami\anaconda3\lib\site-packages (from requests<3,>=2.27->gtts) (2.0.4)
Requirement already satisfied: idna<4,>=2.5 in c:\users\mpami\anaconda3\lib\site-packages (from requests<3,>=2.27->gtts) (3.7)
Requirement already satisfied: urllib3<3,>=1.21.1 in c:\users\mpami\anaconda3\lib\site-packages (from requests<3,>=2.27->gtts) (2.2.2)
Requirement already satisfied: certifi>=2017.4.17 in c:\users\mpami\anaconda3\lib\site-packages (from requests<3,>=2.27->gtts) (2024.6.2)

In [2]:
```python
from gtts import gTTS
from IPython.display import Audio

text_to_speech=gTTS('''Internship Opportunity : Java, Python, Data Science, Full stack Developer, and Training

Are you passionate about software Development and eager to gain hands-on-experience in cutting edge technology? Join
text_to_speech.save('text_to_speech_gtts.wav')
sound_file='text_to_speech_gtts.wav'
Audio(sound_file,autoplay=False)
```
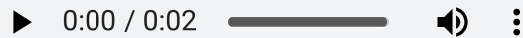
Out[2]:

▶ 0:00 / 0:21 ─────────── 🔊 ⋮

In [3]:
```python
intro=gTTS('''Hello my dear friends i am AMit singh''')
intro.save('intro_gtts.wav')
sound_file='intro_gtts.wav'
Audio(sound_file,autoplay=False)
```

Out[3]:

▶   0:00 / 0:02 ━━━━━━━━ 🔊   ⋮

Text to speech conversion using pyttsx3

changing the gender using pyttsx3

In [4]:
```
pip install pyttsx3
```

```
Requirement already satisfied: pyttsx3 in c:\users\mpami\anaconda3\lib\site-packages (2.97)
Requirement already satisfied: comtypes in c:\users\mpami\anaconda3\lib\site-packages (from pyttsx3) (1.4.7)
Requirement already satisfied: pypiwin32 in c:\users\mpami\anaconda3\lib\site-packages (from pyttsx3) (223)
Requirement already satisfied: pywin32 in c:\users\mpami\anaconda3\lib\site-packages (from pyttsx3) (305.1)
Note: you may need to restart the kernel to use updated packages.
```

In [5]:
```python
import pyttsx3
from IPython.display import Audio
```

In [6]:
```python
text=gTTS('''Internship Opportunity : Java, Python, Data Science, Full stack Developer, and Training

Are you passionate about software Development and eager to gain hands-on-experience in cutting edge technology? Join
audio=pyttsx3.init()
audio.setProperty('rate',150)
audio.setProperty('volume',0.8)
# change the voice
voice=audio.getProperty('voices')

# 0 for male or 1 for female
#audio.setProperty('voice',voice[0].id)
audio.setProperty('voice',voice[1].id)

#convert text to speech
audio.say(text)

#save audio file
#audio.save_to_file(text,'text_male_voice.mp3')
audio.save_to_file(text,'text_female_voice.mp3')
```

```
        audio.runAndWait()
```

In [7]:
```
text2=gTTS()audio=pyttsx3.init()
audio.setProperty('rate',150)
audio.setProperty('volume',0.8)
# change the voice
voice=audio.getProperty('voices')

# 0 for male or 1 for female
audio.setProperty('voice',voice[0].id)
#audio.setProperty('voice',voice[1].id)

#convert text to speech
audio.say(text)

#save audio file
audio.save_to_file(text,'text_male_voice.mp3')
#audio.save_to_file(text,'text_female_voice.mp3')

audio.runAndWait()
```

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