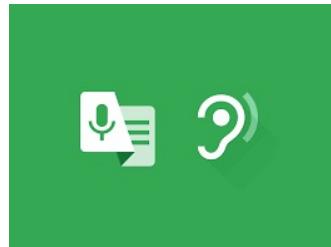
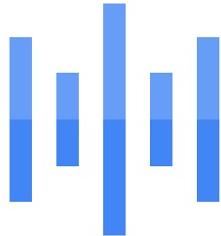
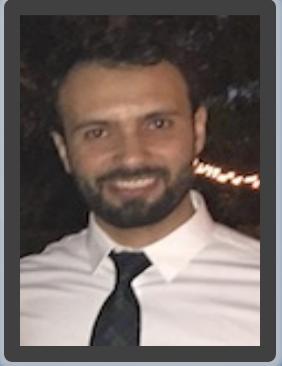


# PROJECT DUB





**PRESENTED BY HATEM AL-GHUTI**

# PROJECT DUB

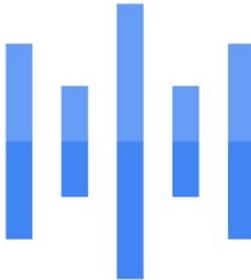


# Cloud

This project will use Google Cloud Services.

Pydub library to pull the audio from the video file and save it as a wav

- Upload the audio file so that it can be used with the text-to-speech api



# Speech to Text

## Configure API

- Specify the language code - which is what language you are transcribing from.
- Enable automatic punctuation
- Enable word time off sets give the exact word and time the speaker said them
- Diarization\_config tells the API to filters out noise or multiple speakers



# Transcribe

```
dubb_extras > chunk_transcription
1
2 --> "أنا سليمان", "ابي السلطان ياوز سليم خالد", "وام السلطانه حفصة"
3 ["أنا سليمان", "ابي السلطان ياوز سليم خالد", "وام السلطانه حفصة"]
4 ["I am Suleiman the son of Sultan Salim Khan", "My mother Sultana Hafsa Aisha."]
5
6 "I am Suleiman the son of Sultan Salim Khan", "My mother Sultana Hafsa Aisha."-->
7 ["I am Suleiman the son of Sultan Salim Khan", "My mother Sultana Hafsa Aisha."]
8 ["أنا سليمان", "ابي السلطان ياوز سليم خالد", "وام السلطانه حفصة"]
```

## Feeding Translation Api

- chunk the transcript output to feed it into the translation api
- Identify variables related to sentence structure
- Check for gaps for when speaker started and stopped speaking



# Translate

## Call Translation Api

- Call speech-to-text to speak translated words  
Configure api to use different computer voices and speaking rate to speed up or slow down to match the rate of the speaker in the video.
- Correct Error -Common Error's  
Speech-to-text api can make a mistake in the translation  
Translation from translation api may be inaccurate



# Text to Speech

## Configure API

- Specify the language code - which is what language you are transcribing from.
- Enable automatic punctuation
- Enable word time off sets give the exact word and time the speaker said them
- Diarization\_config tells the API to filters out noise or multiple speakers





