

Eyes n Ears!

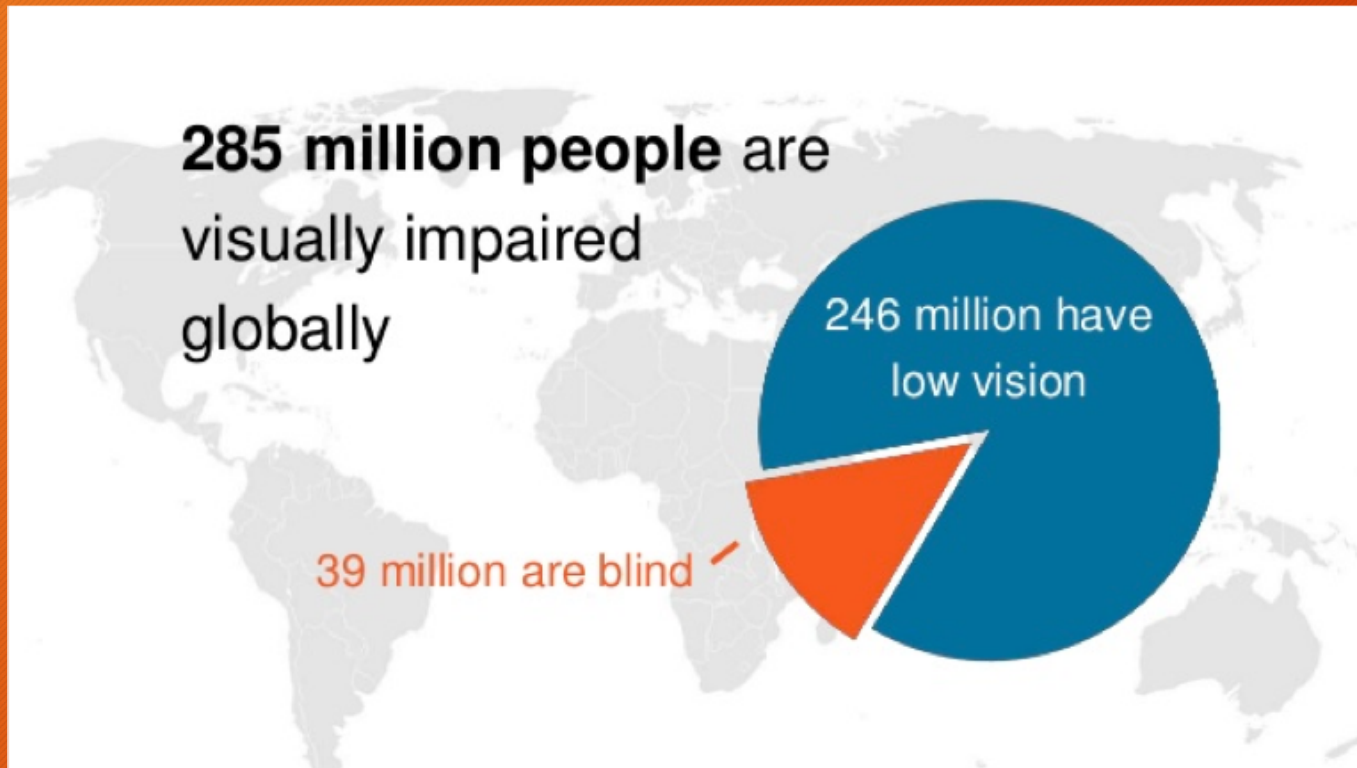
Team Armada

Siddhant Somani
Shubham Singhal
Ishan Jain
Amit Bhat

Inspiration

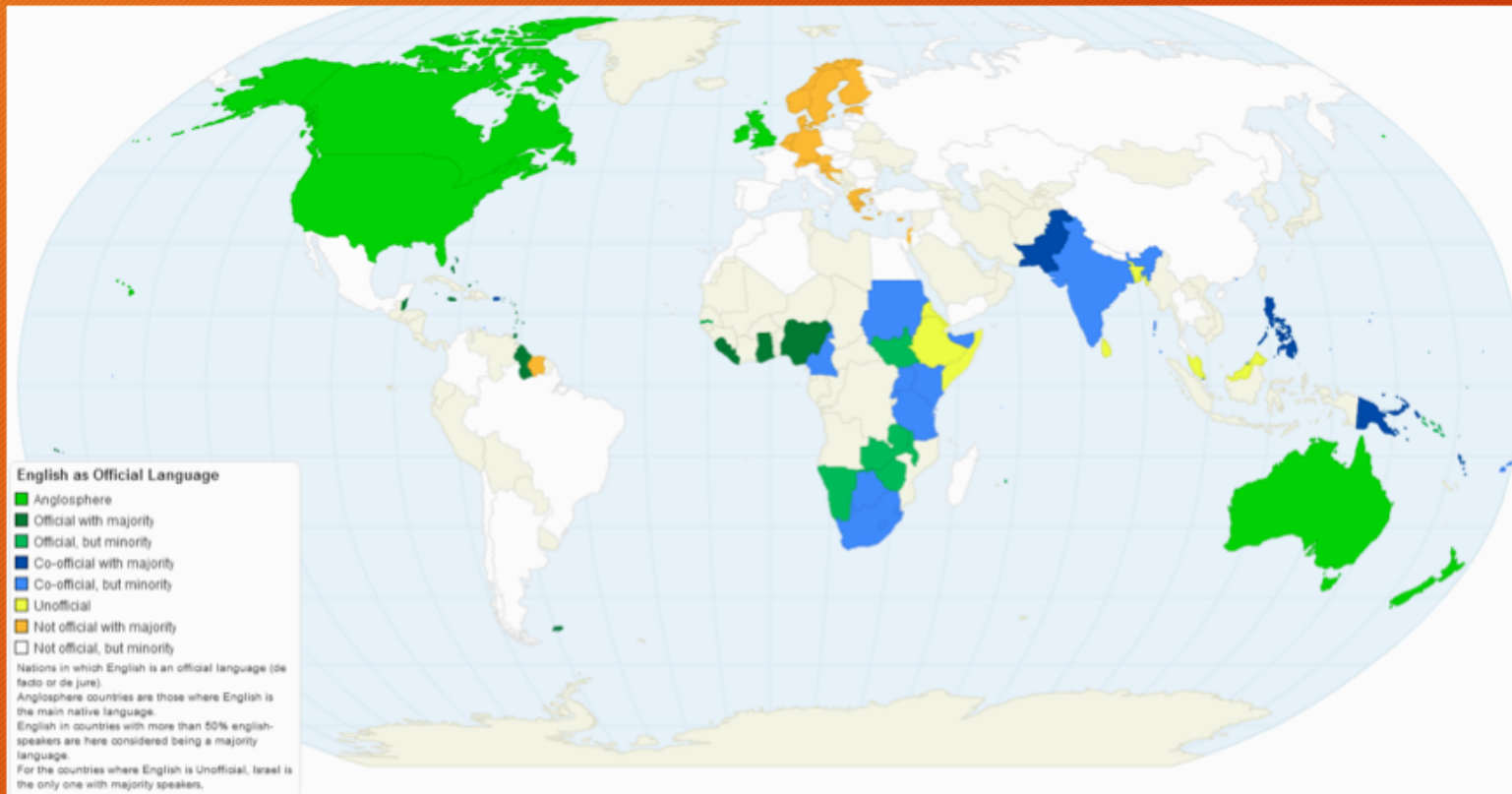
- Today's competitive world is driven by resources available online which is mostly in video format.
- Most of these contents are published in a single language based on the content creator's preference.
- Language barriers constrain learning especially students studying in rural areas in local vernacular.
- In this era of MOOCs, students, professionals would like to learn from videos in their own language without depending on the language of the video

Visually impaired population



- How can visually impaired individuals take advantage of resources like MOOC, youtube, etc. which are mostly in video format?
- How can visually impaired individuals enjoy video contents online?

Language Barrier



- Around 20% speak English(most of which aren't native speakers)!
- What about the rest 80% !!

How do we solve it?

1. Translates a video from any language to to any language.
2. Service available on all types of devices
3. Automatically describe video contents when scene changes.
4. User can request for **automatic scene description** whenever required.



How it works



Challenges

- Voice activity detection for synchronicity + optimization
- No API which provides direct speech to speech translation
- Optimize time complexity!
- No API for sentence formation



Future

- Improve sentence formation
- Improve synchronization
- Get better details from the scene
- Remove language barrier in video calls/conferences (real time translation)
- Enable visually impaired individuals to be part of video calls/conferences (real time video summarization)

QUESTIONS ?

GLAD YOU ASKED!