

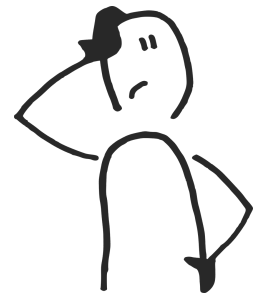


# SayLAH!

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Team **i3**

Intermediate Track

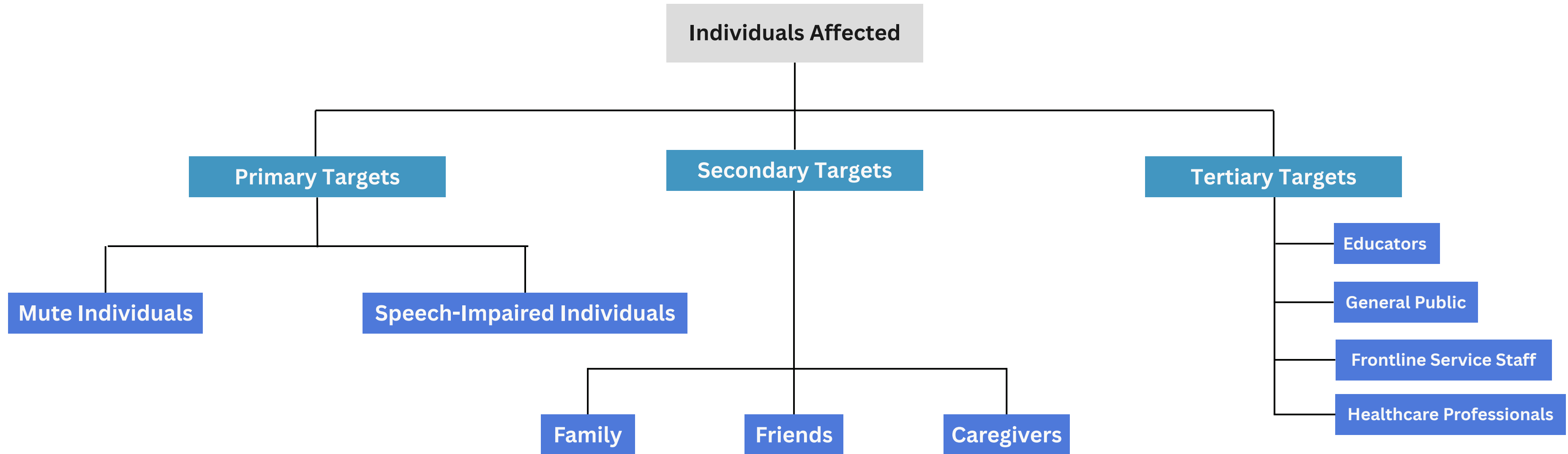


# Problem Statement

Mute individuals in Singapore **struggle to communicate** in a **speech-first society**, relying on interpreters for basic interactions.

There is **no tool** that converts Singapore Sign Language (SgSL) into natural speech, limiting their access to services, independence, and dignity.

# Target Audience



# Issues We Are Solving

## 1 Dependence on Human Intermediaries in video relay services (VRS)

- Mute users must rely on interpreters to make phone calls or communicate remotely.

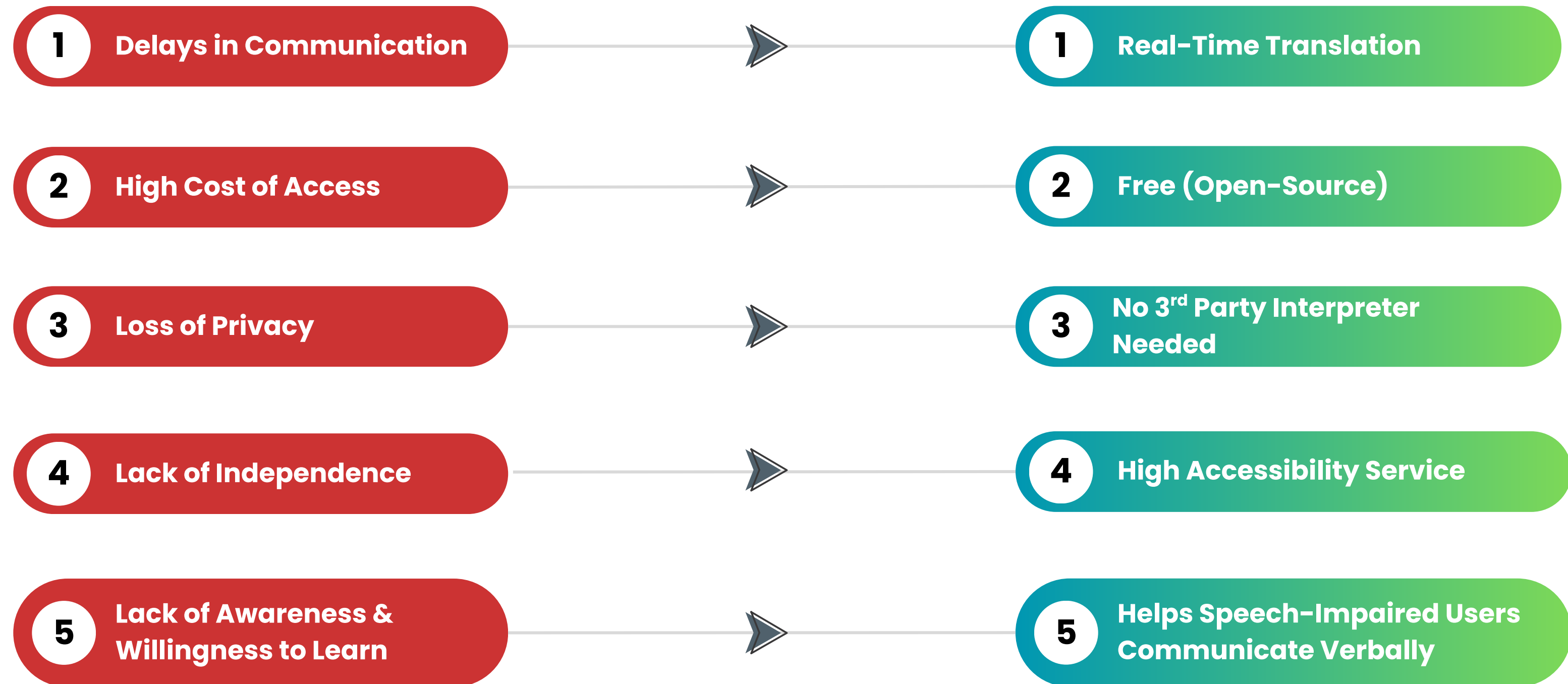
## 2 Lack of Direct SgSL-to-Speech Technology in Singapore

- SgSL users can text, but there's no way to communicate directly using sign language in real-time through technology.

## 3 Lack of Inclusive Communication in Everyday Public Interactions

- There is no seamless way for sign language users to independently engage with strangers in public settings—like clinics, banks, or shops—without relying on writing, gestures, or interpreters.

# Pain Points Tackled (Sign-Speak, n.d.)

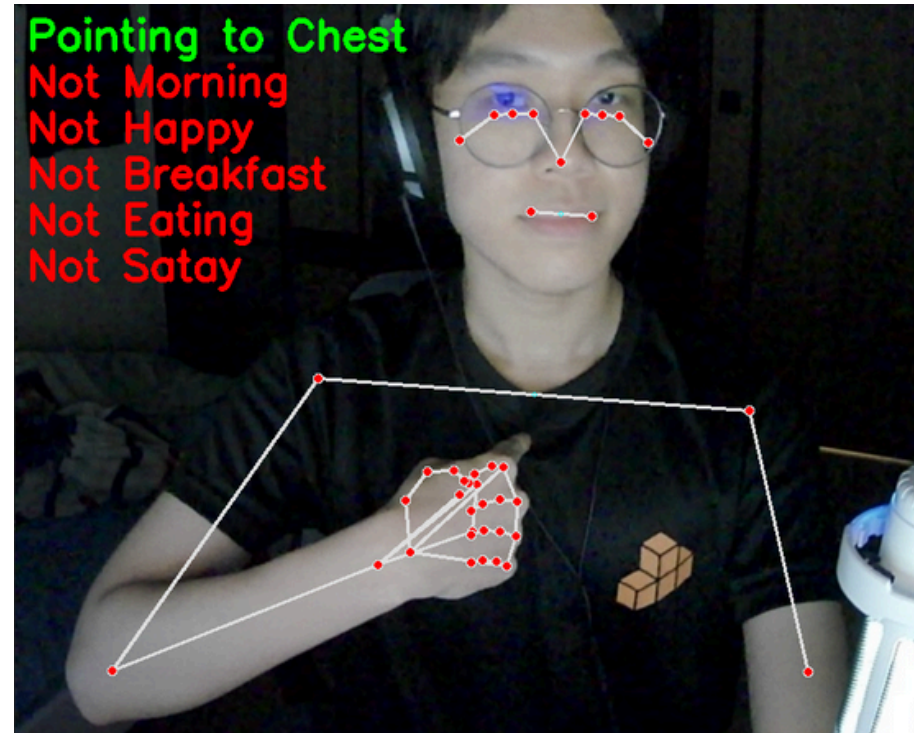


# Creation of Solution

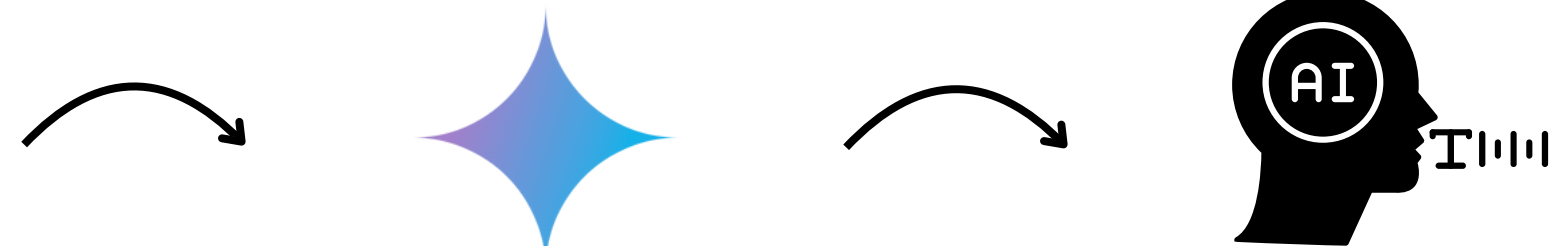
- (The Singapore Association for the Deaf – SDeaf Website, n.d.)
- (Singapore Sign Language: An Introduction, n.d.)



Hexgrad. (n.d.). Kokoro TTS. Kokoro TTS - a Hugging Face Space by hexgrad. <https://huggingface.co/spaces/hexgrad/Kokoro-TTS>

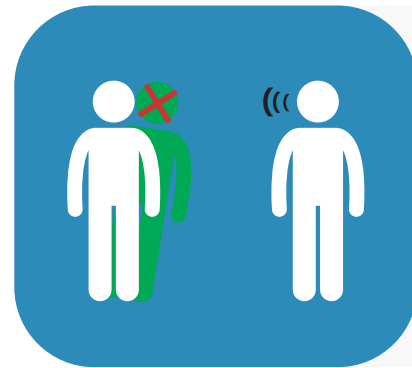


Mediapipe. PyPI. (n.d.). <https://pypi.org/project/mediapipe/>



Google. (n.d.). Google Gemini. Google. <https://gemini.google.com/app>

# Unique Selling Point



Complete Removal of  
Human Intermediaries



Designed for  
Spontaneous, Everyday  
Interactions



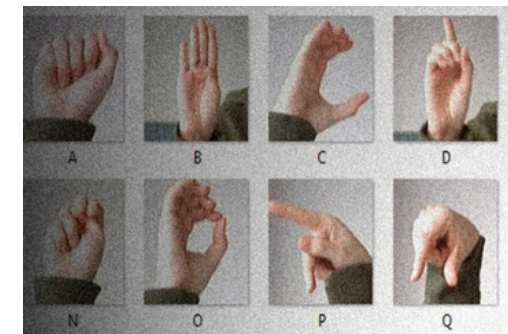
Tailored  
Specifically for  
SgSL

## convo

(Convo Communications, 2025)



(Video Relay Service (VRS) – the  
Singapore Association for the Deaf, n.d.)



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www.kaggle.com/datasets/  
datamunge/sign-language-mnist](https://www.kaggle.com/datasets/datamunge/sign-language-mnist)



# Live Demo



# Q&A

# References

(APA 7th Edition Cited)

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