

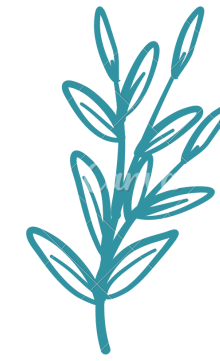


**EDUCARE**


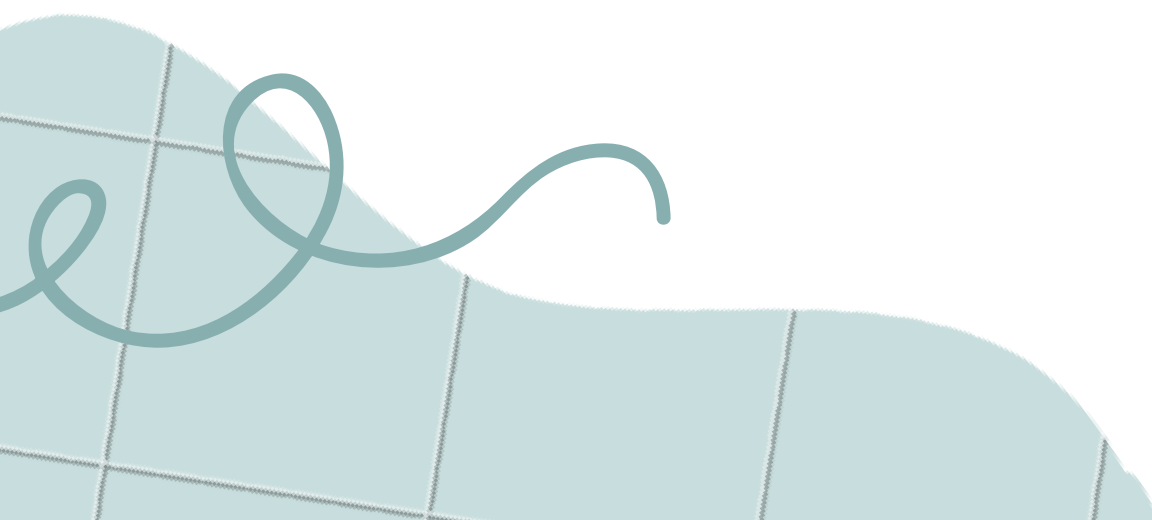
**Empowering Education**



# INTRODUCTION



**"EduCare" is a transformative project committed to teaching sign language alphabets to individuals with hearing and speech impairments. Using advanced technologies like real-time hand tracking and machine learning**

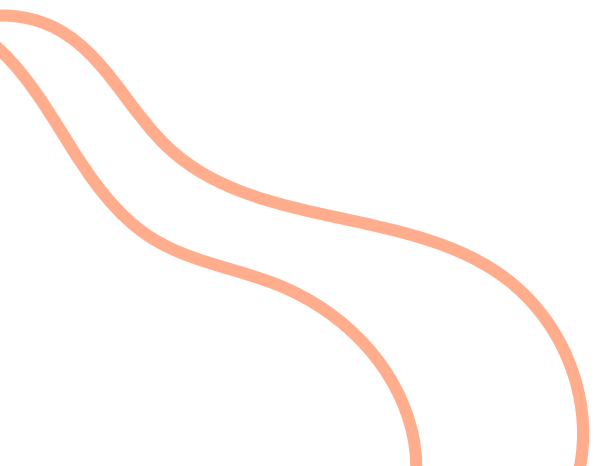




# BACKGROUND

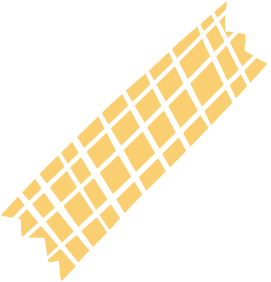
## GENERAL OVERVIEW

Through a user-friendly interface, it strives to create a world where everyone, regardless of their challenges, can communicate, learn, and thrive. Join us in shaping a more inclusive future with EduCare.

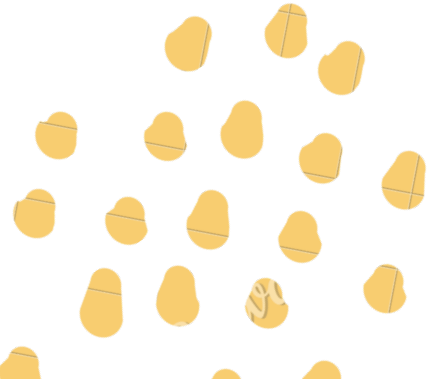






# GOALS

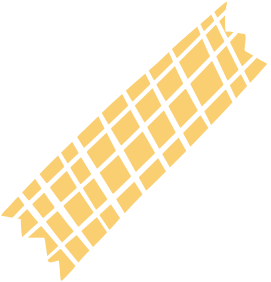


**The goals of Project EduCare are to provide accessible and inclusive education for individuals with hearing and speech impairments, focusing on teaching sign language alphabets.**

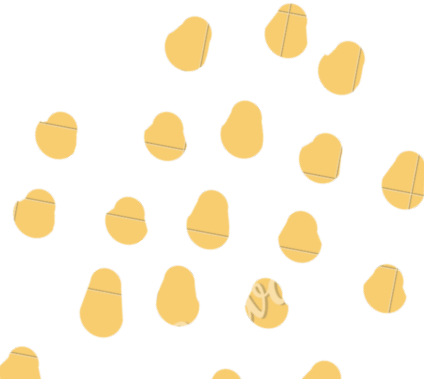

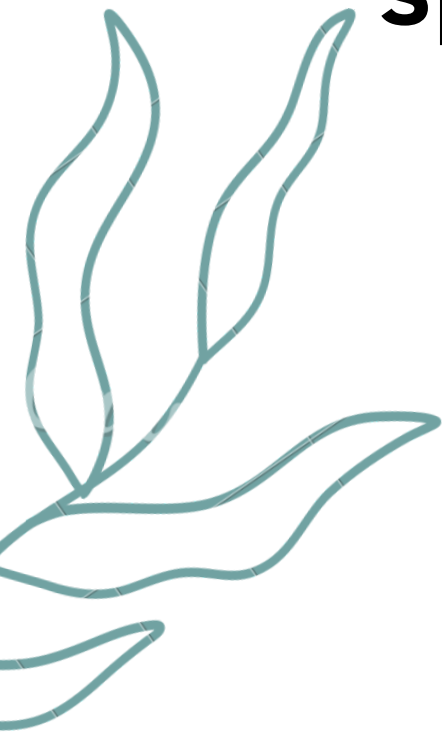




# ALPABET EDUCATION IMPACT



**Through alphabet education, individuals with hearing and speech disabilities can learn to communicate effectively using written language. This empowers them to express their thoughts and connect with others in new ways.**



# TECHSTACK



Html  
Css  
Javascript

**User  
Interface**

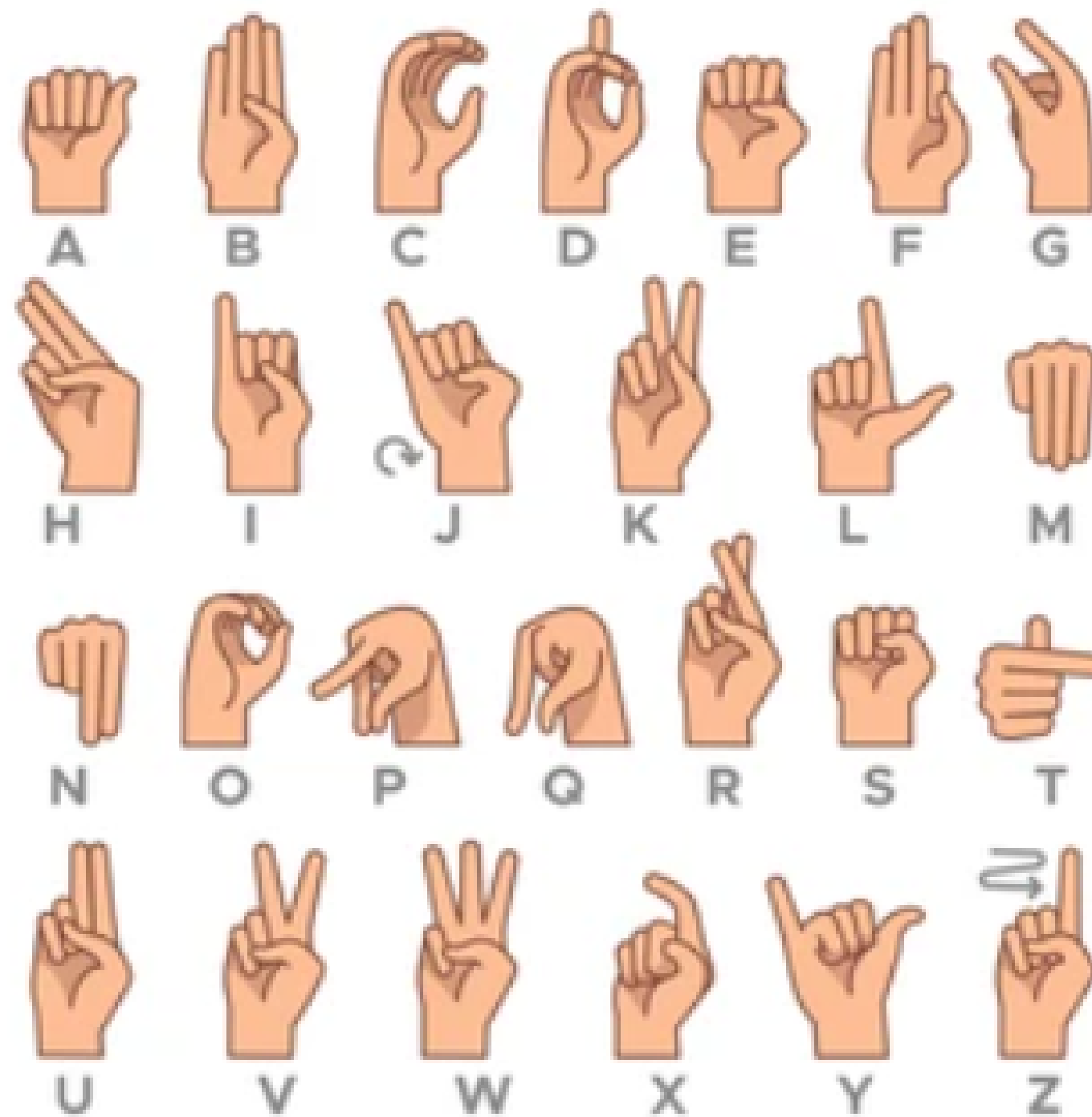
Numpy  
sklearn  
MediaPipe  
Matplotlib  
Open Cv

**M.l.  
Modules**

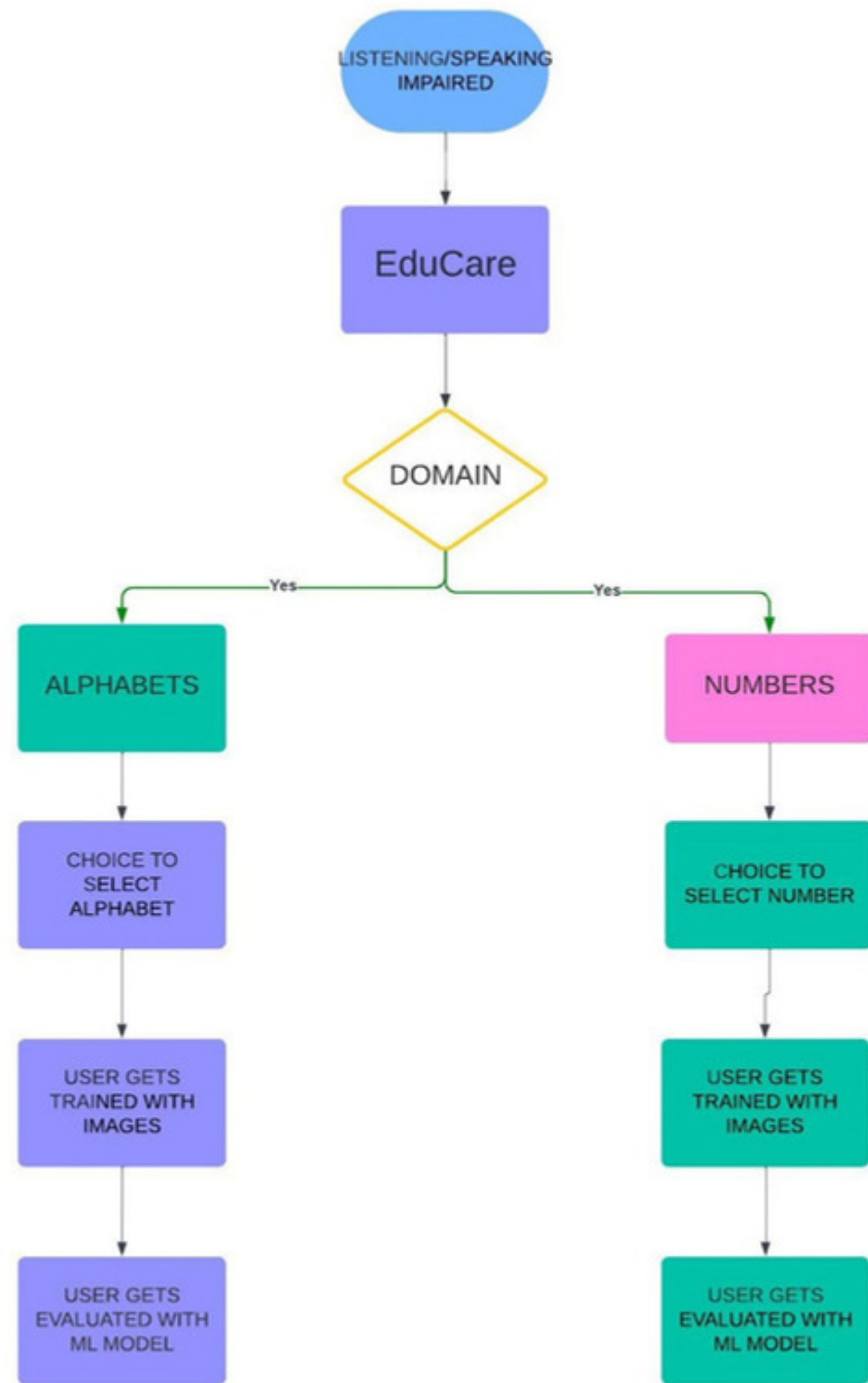


Flask } **Backend**

# AMERICAN SIGN LANG









# CHALLENGES FACED

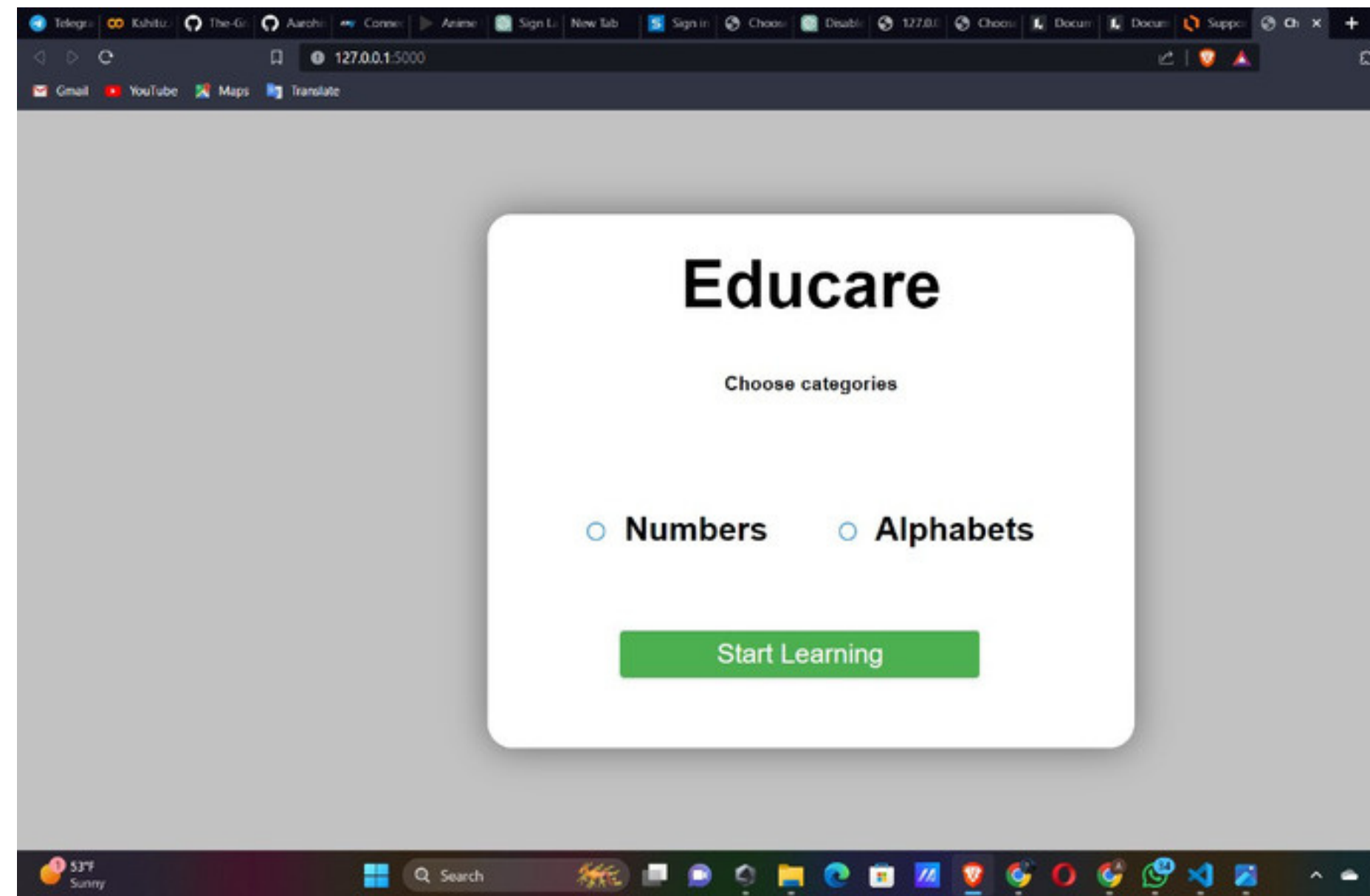
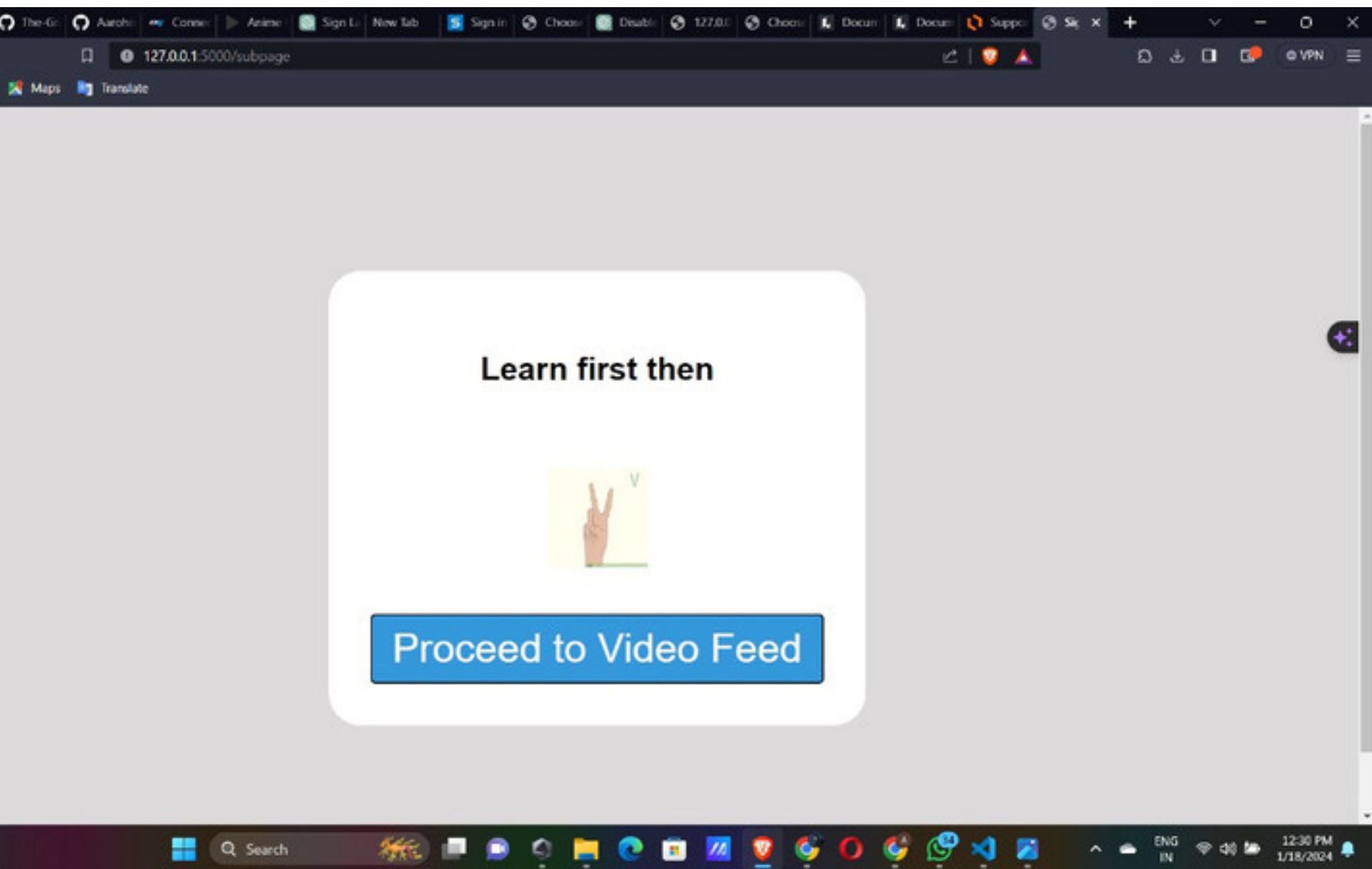
**The dumb and deaf community often encounters communication barriers due to the lack of understanding of sign language and limited access to alphabet education. These challenges hinder their ability to express and connect with others.**

# LIMITATION FACED

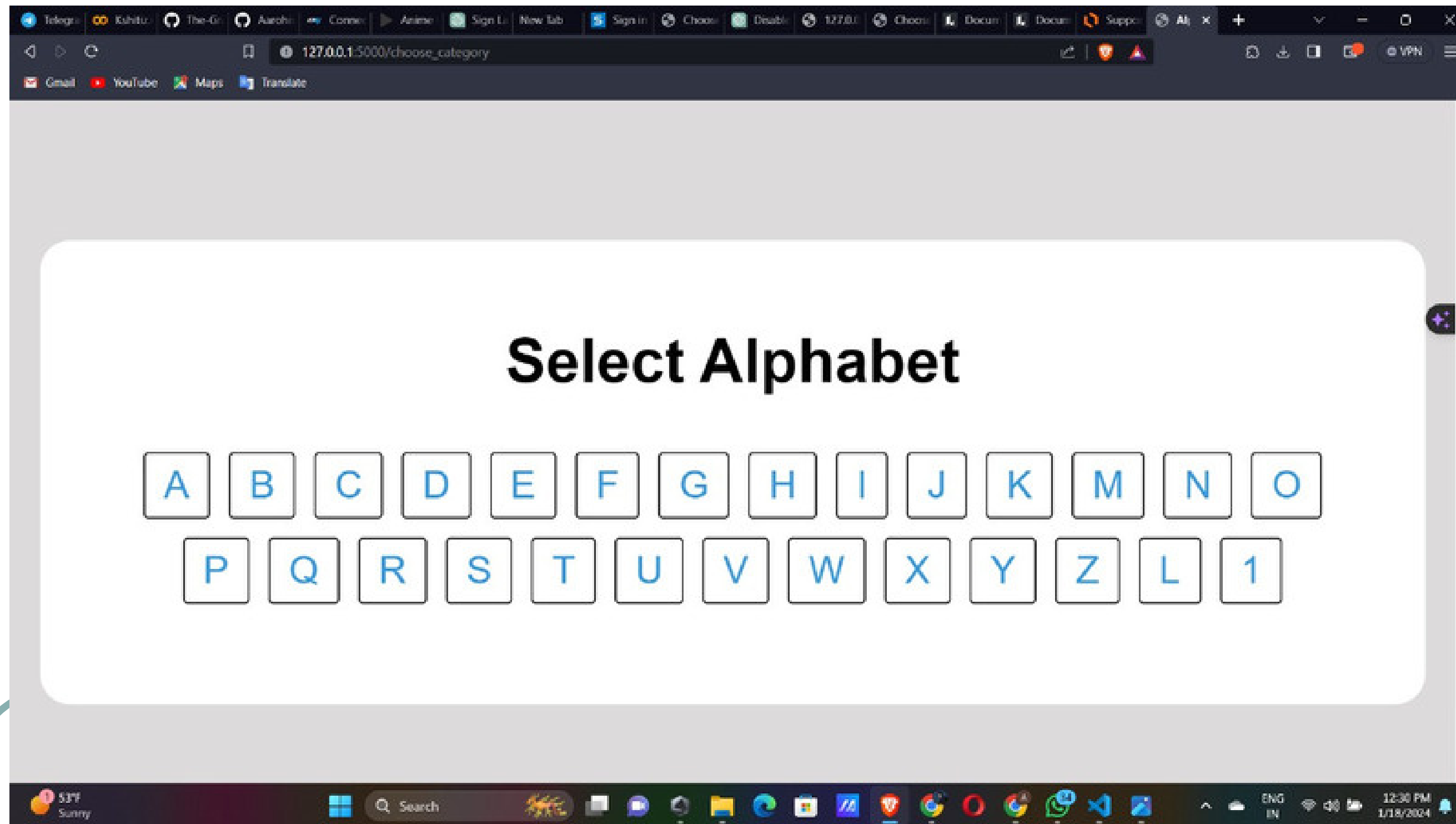


- **Due to the camera quality limitations, model accuracy not up to the mark.**
- **Module on Numbers not made yet.**

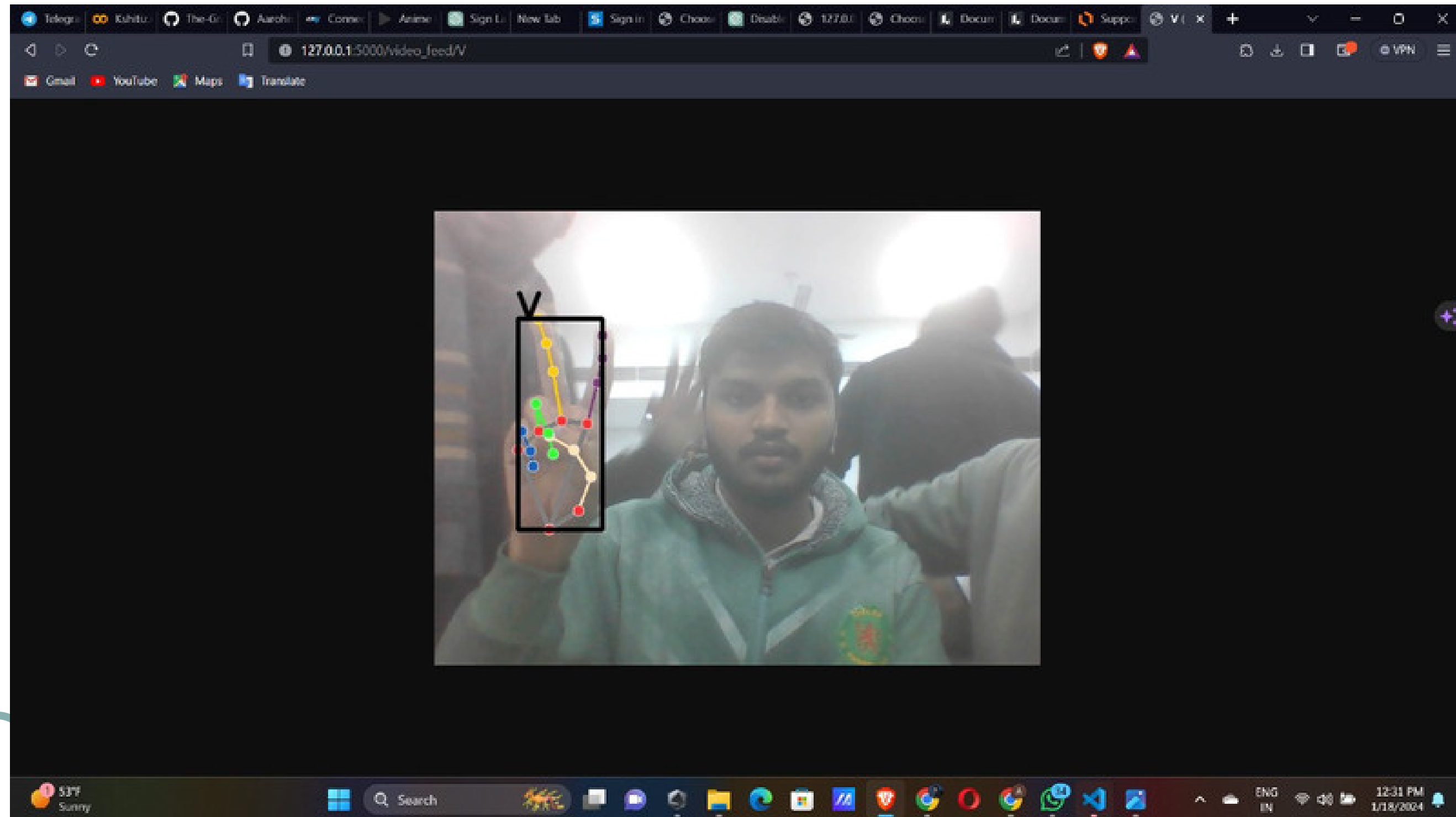
# RELATED PHOTOS FROM OUR REFERENCES



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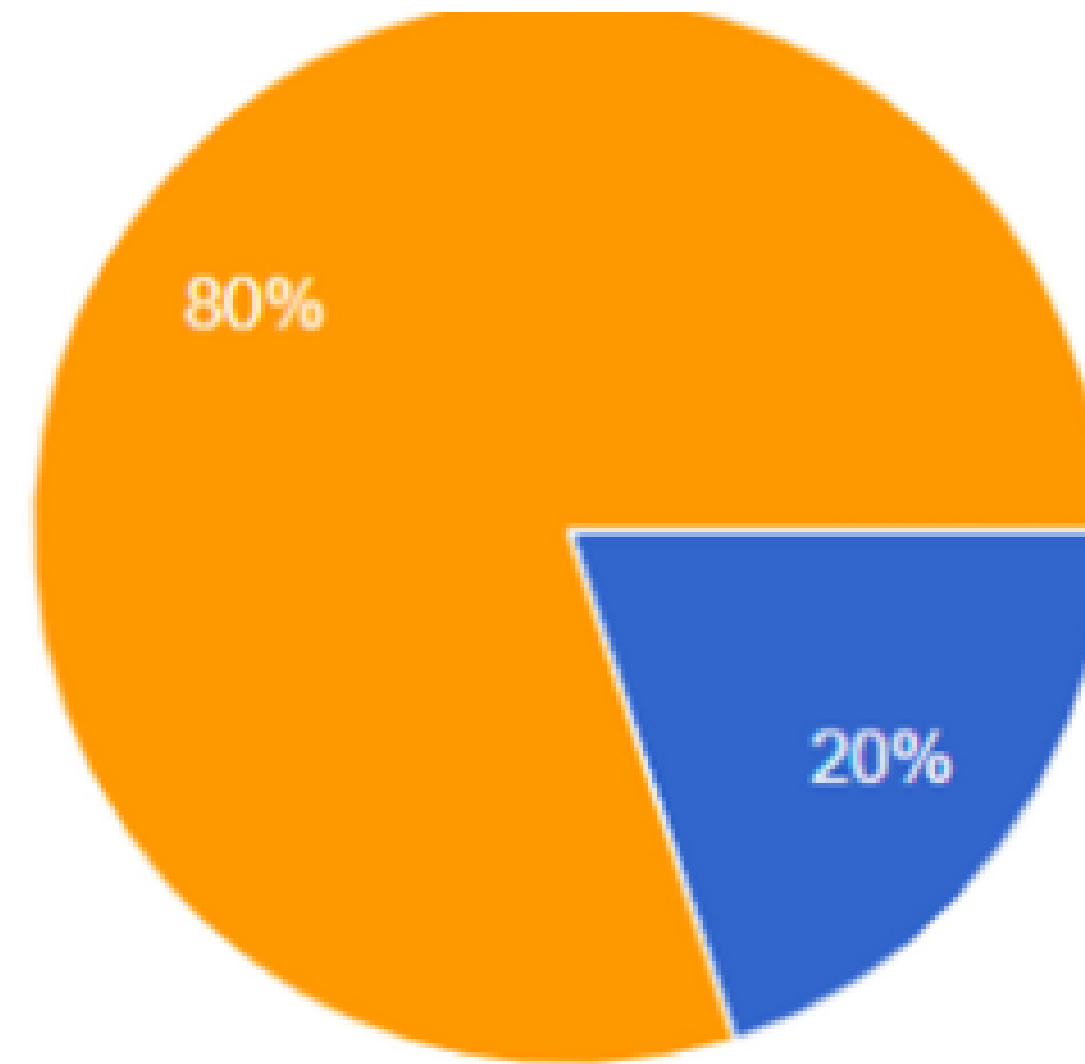
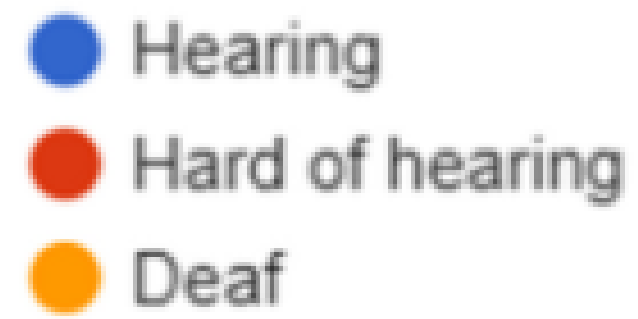


# RELATED PHOTOS FROM OUR REFERENCES



1. I am:

5 responses



**REAL WORLD DATA**

# **Team Members-**

**Aryan**

**Ansh verma**

**Aryan Kumar**

**Harshit**

**Aaditya**

**Adeeba Saifi**





THANK YOU



Do you have any  
questions for us?

