ISL Detection App

User Manual

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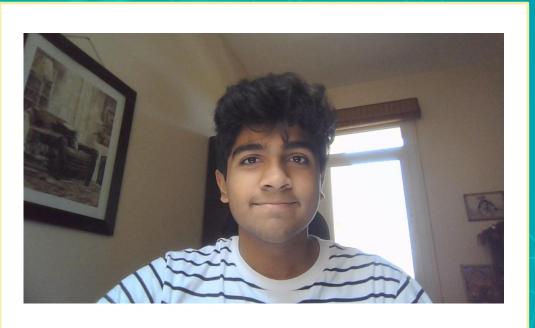# Table of Contents

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About Me..

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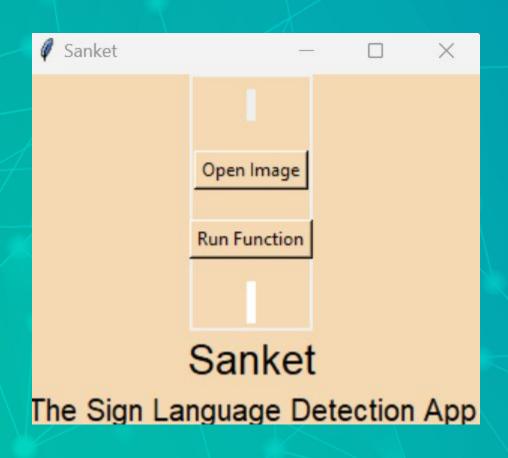**Grade: 11**

About My Internship Journey with Clevered..

My online internship with Clevered.org was an eye-opening experience, particularly while working on an AI sign language detection app. I delved into the complexities of AI development, learning about machine learning models and their integration into mobile applications. Beyond coding, this project's potential to bridge communication gaps for sign language users underscored the societal impact of technology. Navigating challenges with mentor support, I gained technical skills, a sense of responsibility, and a deeper passion for leveraging technology to create meaningful solutions.

About App..

The "Real Time Sign Language Recognition App" addresses the challenge of limited accessibility for individuals who are deaf or hard of hearing, by utilizing AI to interpret sign language gestures in real time. Sign Language, a vital form of communication for the deaf, often faces barriers due to its complexity and unfamiliarity to the wider population. This AI-driven solution enables the integration of sign language symbols into virtual platforms like Zoom, enhancing accessibility for online conferences. By facilitating two-way communication alongside voice-based captioning, the app promotes inclusivity and empowers the deaf community in education, employment, and social interactions. Ultimately, this innovation contributes to a more equitable and interconnected society.

How do I use the App?

ISL SIGN LANGUAGE APP

- **Select an image from your files using the open image button, then use the run function to detect.**

Toolkit Walkthrough

AI App Development Toolkit Workbook:
https://docs.google.com/spreadsheets/d/10-o6xVekiSLispqjHDDL5gHchm05iUv5/edit?usp=sharing&ouid=103940573287662554799&rtpof=true&sd=true

Contact Person

- **Please reach out to taran.nambiar@gmail.com for any questions/ concerns/ suggestions on the App**

Thank you!