# AI SIGN LANGUAGE CONVERTER

By: Mahrus Mahmud Mahi

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# Acknowledgements

A special thanks to Clevered for offering a program like this without which my hands on experience with AI would not be possible. Also thanks to my mentor Ms. Sanjana for giving me and the rest of my cohort the required knowledge for developing AI systems and for providing us the guidance to make a successful AI project of our own.

# ABOUT ME

- My name is Mahrus Mahmud Mahi, originally from Bangladesh and living in Abu Dhabi, UAE for the last 15 years.
- I am 16 years old and currently in grade 11.
- My coding journey started ever since I was 11 years old and I started with Scratch
- My hobbies are: Coding, gaming, listening to music, playing sports

# My internship journey with clevered

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During my internship, I learned a range of skills, starting from basic AI applications and programs and understanding APIs to working with tkinter for creating user interfaces. Towards the end, I also explored the realm of neural networks. This experience provided me with a solid foundation in AI, GUI development, and neural networks and be able to make a project of my own.

# About app

The app is an American sign – language to English text converter. This is a tool that instantly translates ASL signs into clear English text. It's sole purpose is to break the communication barrier between a natural human being and a person who cannot speak and can only use sign language to communicate. This can be heavily used to improve the experience of the People Of Determination in places like Customer service centres, hospitals and medical clinics and stores. Although this app is currently limited to few signs only, my dream is to enhance to its full potential by incorporating 1000s of different signs and put it to use in the real world.
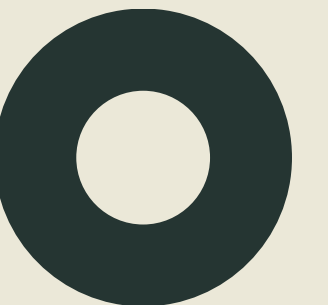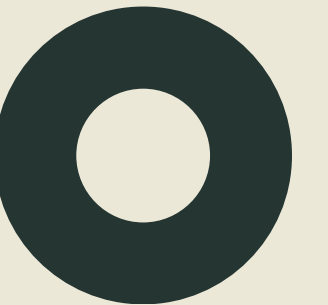
"SIGN LANGUAGE IS THE NOBLEST GIFT GOD HAS GIVEN TO DEAF PEOPLE"

George Veditz

# HOW TO USE THE APP

## Steps:

1.Open the app
2. Click on the button on the home page to start translating
3.Show sign clearly in front of camera in good lighting
4.App will automatically translate the sign in real time to text
5. Keep on showing different signs to get their translations
6. When done with translations you can click the close app button
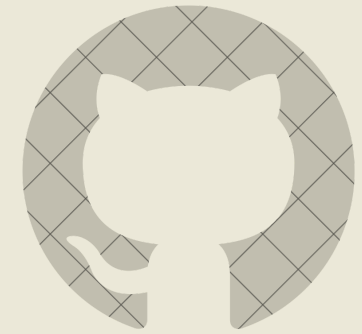
# Demo video

# Toolkit

Link to the toolkit

# My contact info

Feel free to reach out to me if there are any questions you may have :)

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# Thank you