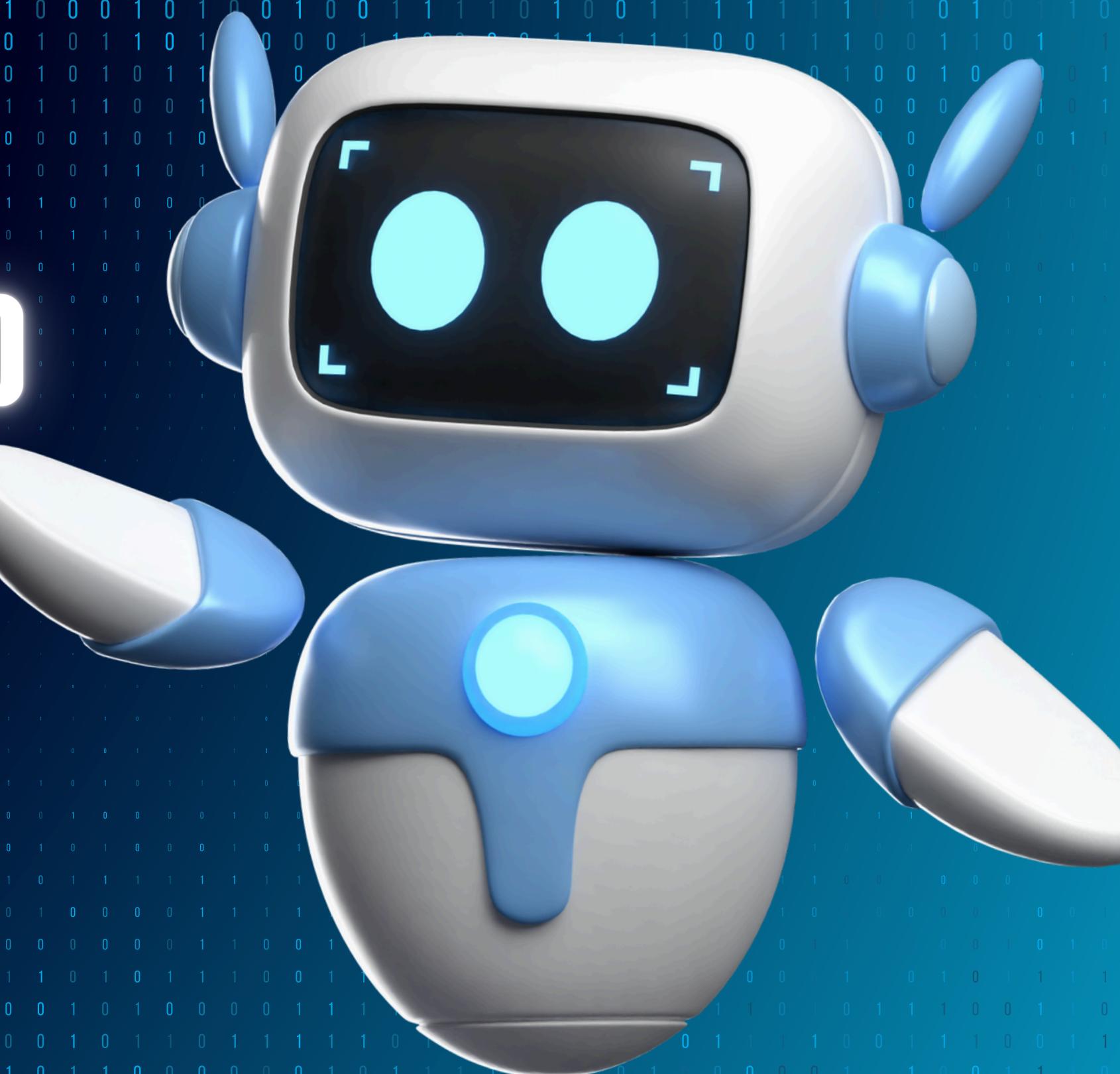


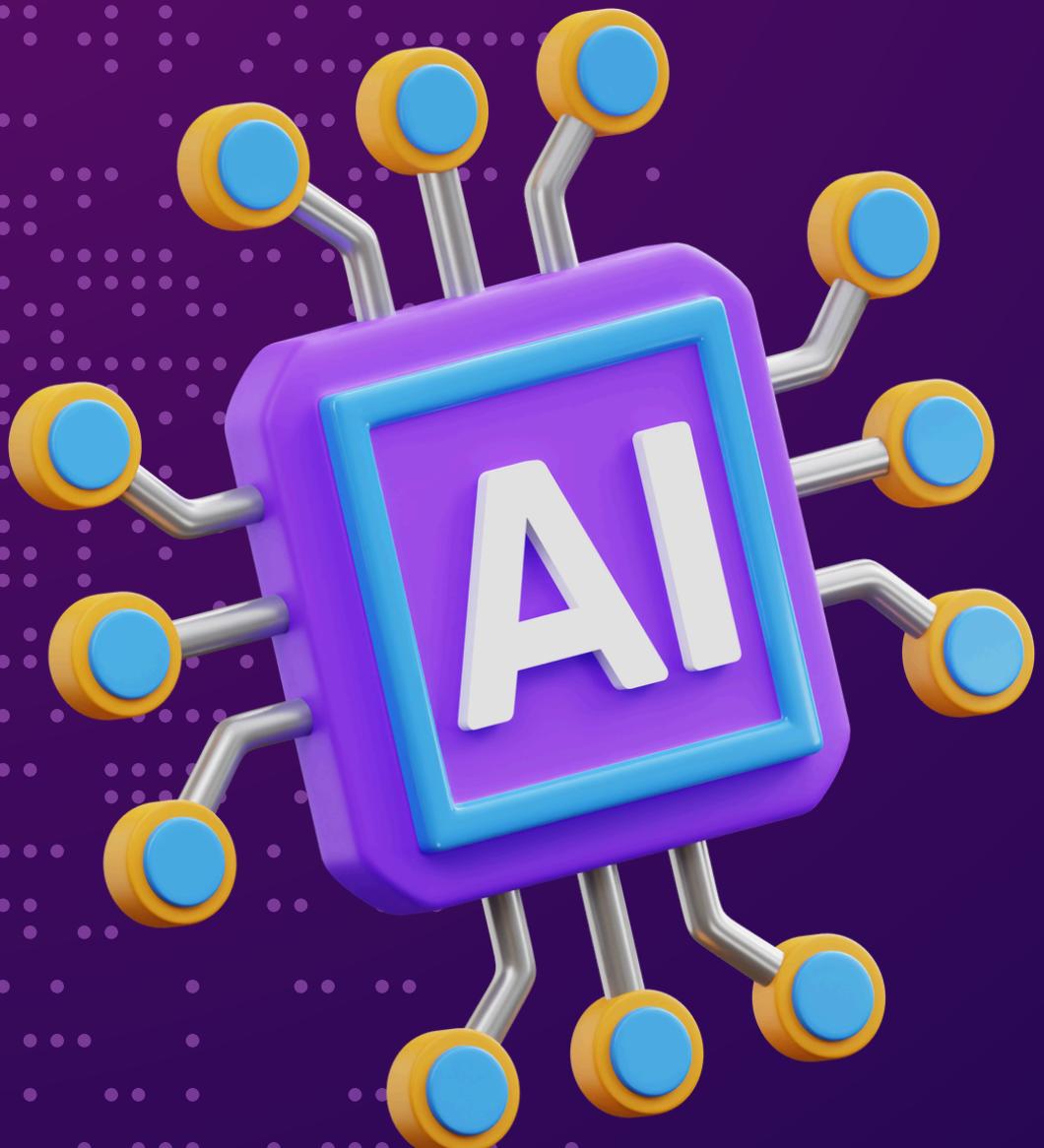
GESTUREEND

Group Member:

1. 2602078764 - AIDA HANIFA
2. 2602080762 - NOBEL SHAN SETIONO
3. 2602084893 - TARA NIRMALA KUSUMA
4. 2602091583 - ROBERT WILLIAM
5. 2602136165 - WILLIAM CHRISTIAN



CONTENTS



- ① Problem Statement
- ② Our AI Product
- ③ Implementations
- ④ Prototype
- ⑤ Practical Uses

1

PROBLEM STATEMENT

Berkomunikasi merupakan salah satu cara manusia untuk mampu memahami dan memberikan ekspresi kepada orang lain, namun tidak semua orang mampu berkomunikasi karena adanya keterbatasan secara fisik.

Keterbatasan akan berkomunikasi seperti tunarungu mampu menghambat kegiatan mereka sehari-hari, karena itu kami mempunyai ide untuk memberikan pembelajaran kepada masyarakat non-tunarungu untuk bisa saling belajar dan memahami teman lain yang memiliki keterbatasan secara fisik.



2

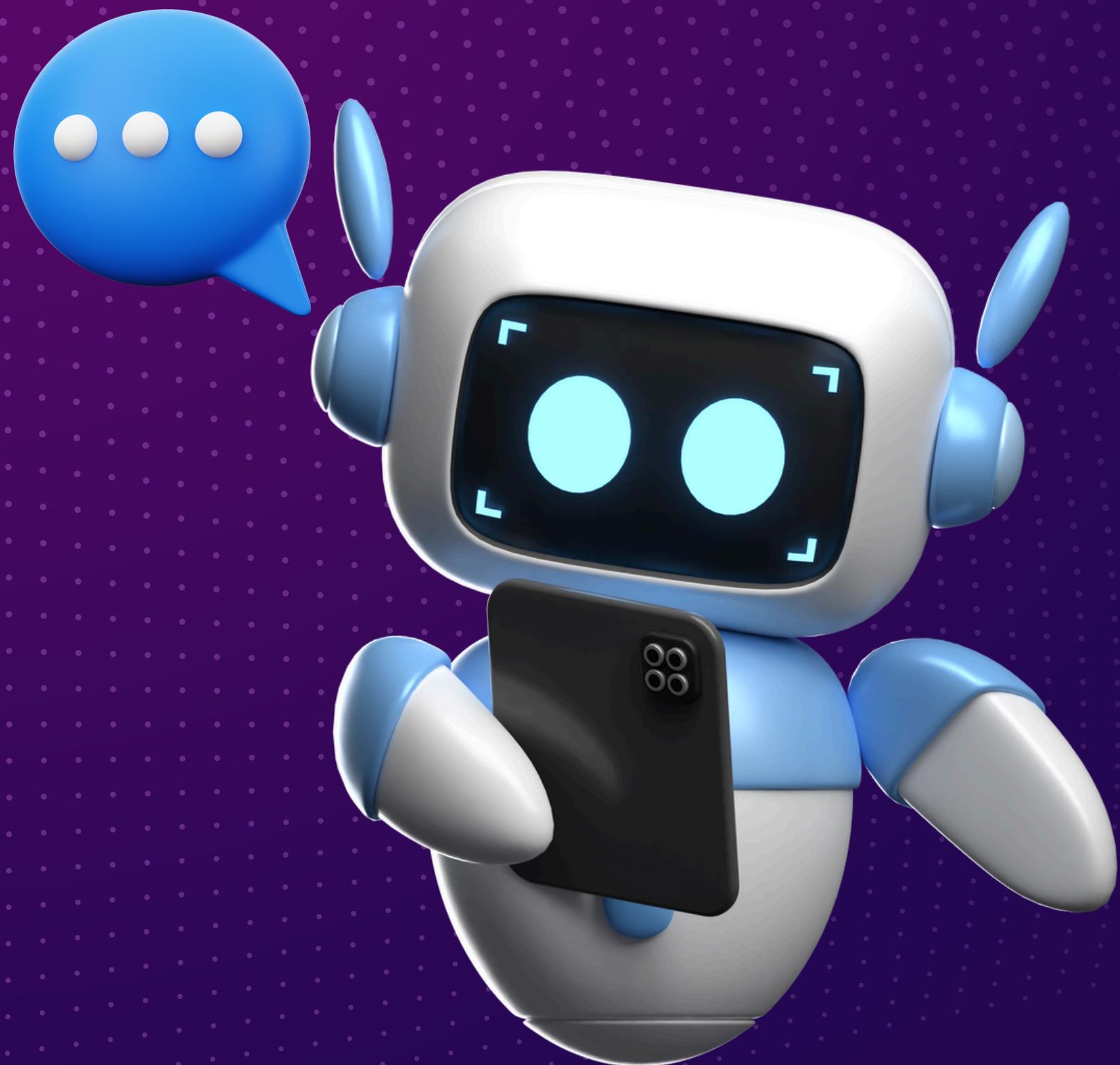
OUR AI PRODUCT

GESTUREMIND

Merupakan fitur AI yang dapat
mengtranslasi handsign deaf language
ke language yang dapat dibaca manusia
berdasarkan data image yang tersimpan

3

IMPLEMENTATIONS

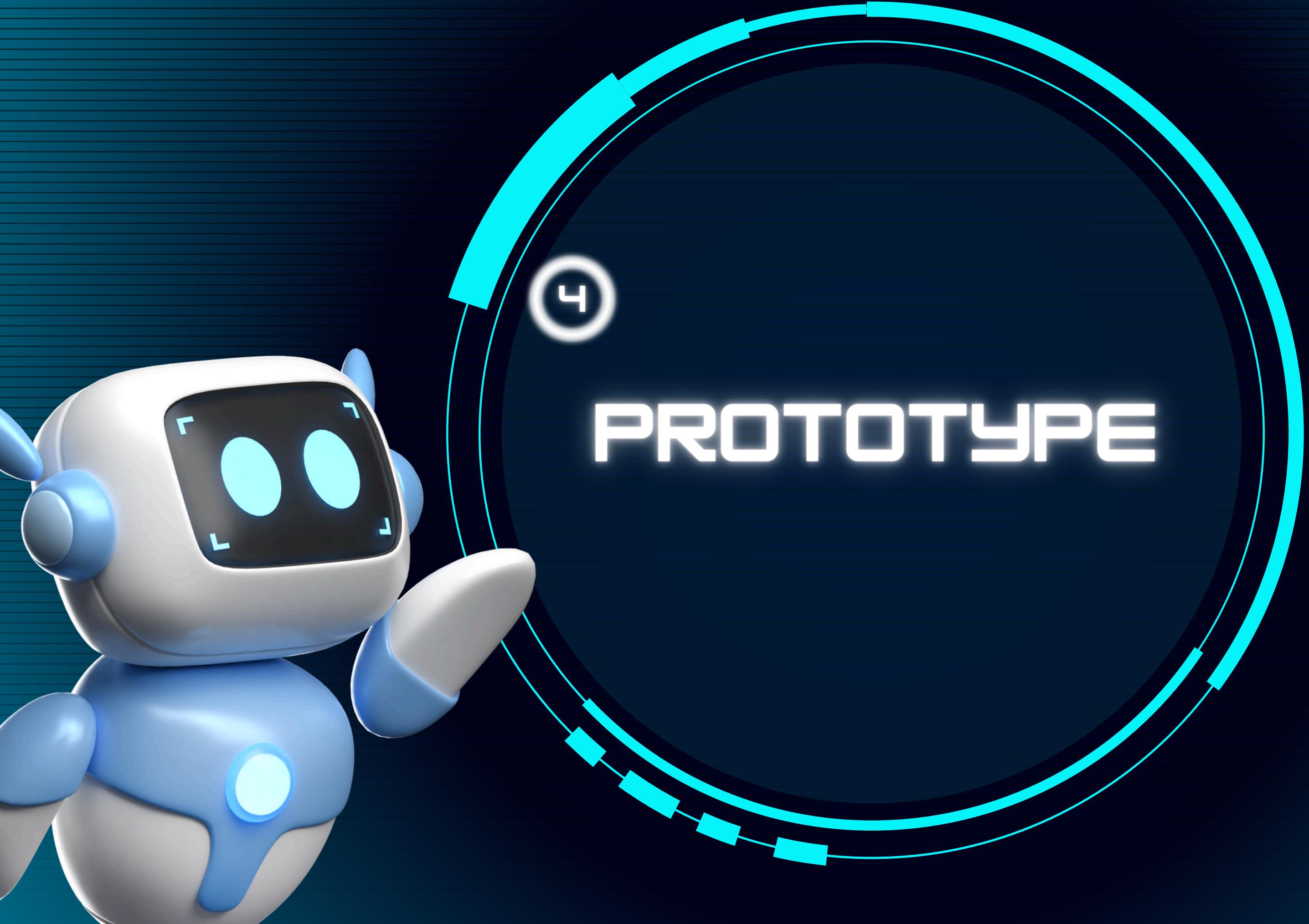


MULTI LAYER PERCEPTRON

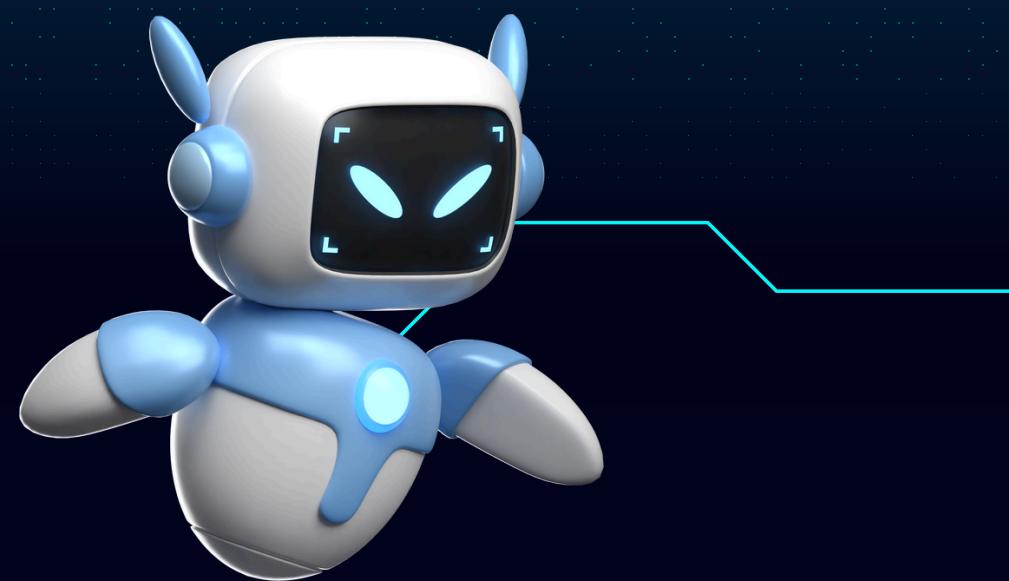
Digunakan untuk dapat mengklasifikasikan masing-masing sign language menggunakan letak -letak sendi tangan

IMAGE PROCESSING USING MEDIPIPE

pengambilan data dari objek asli yang diproses oleh mediapipe untuk mendapatkan koordinat sendi sendi tangan



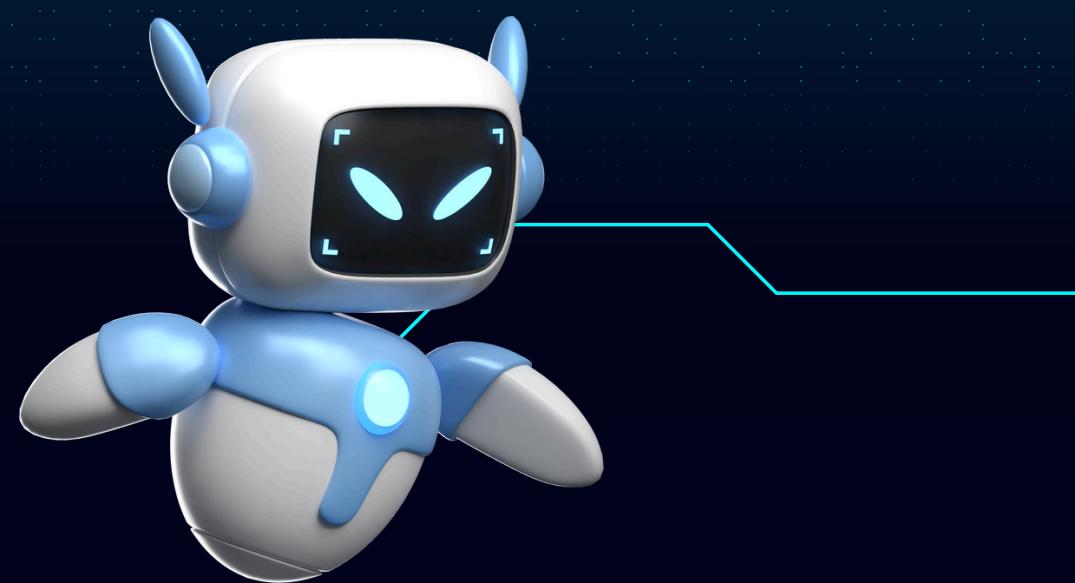
PROTOTYPE



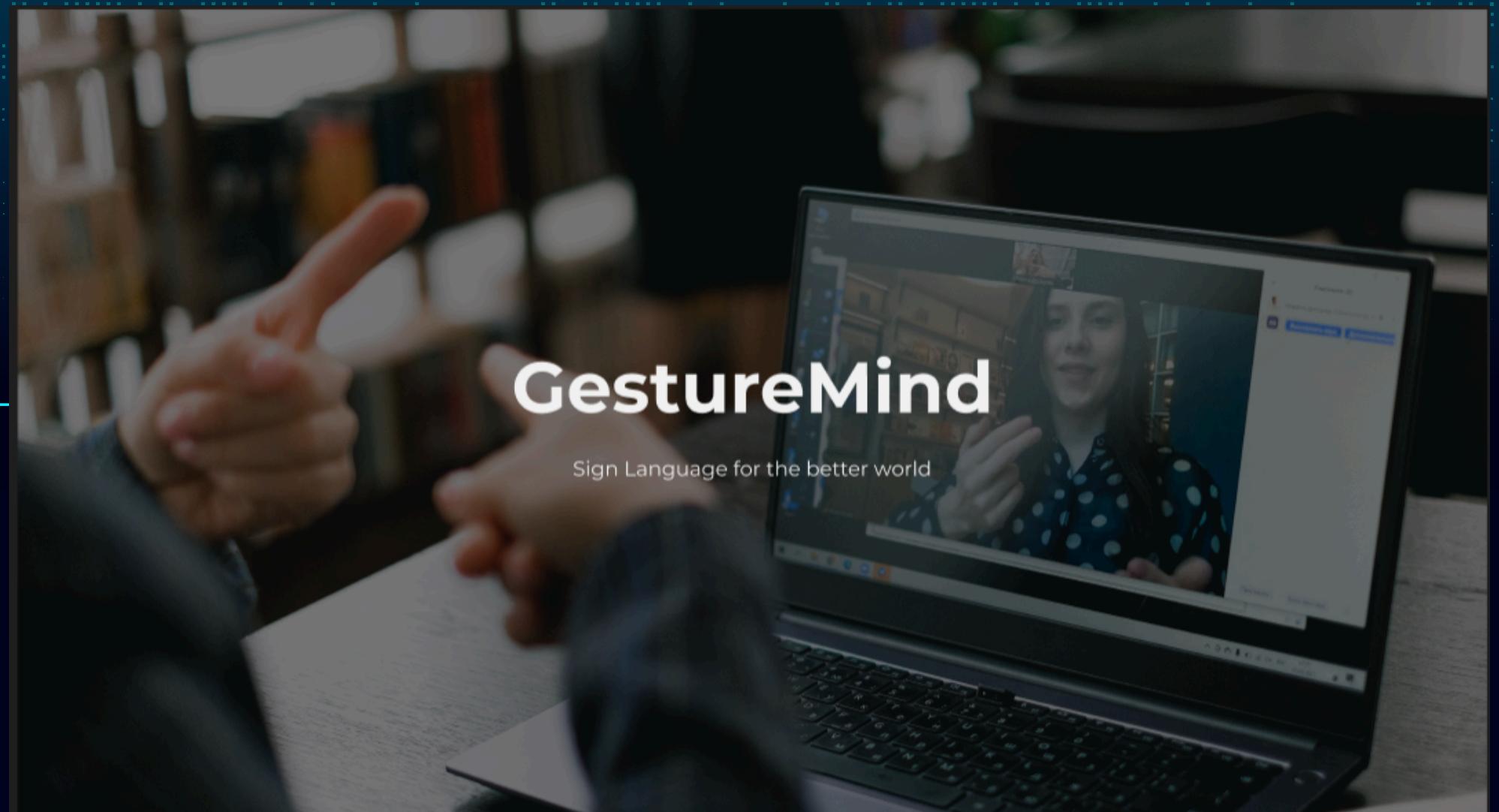
Home

HOME PAGE

PROTOTYPE



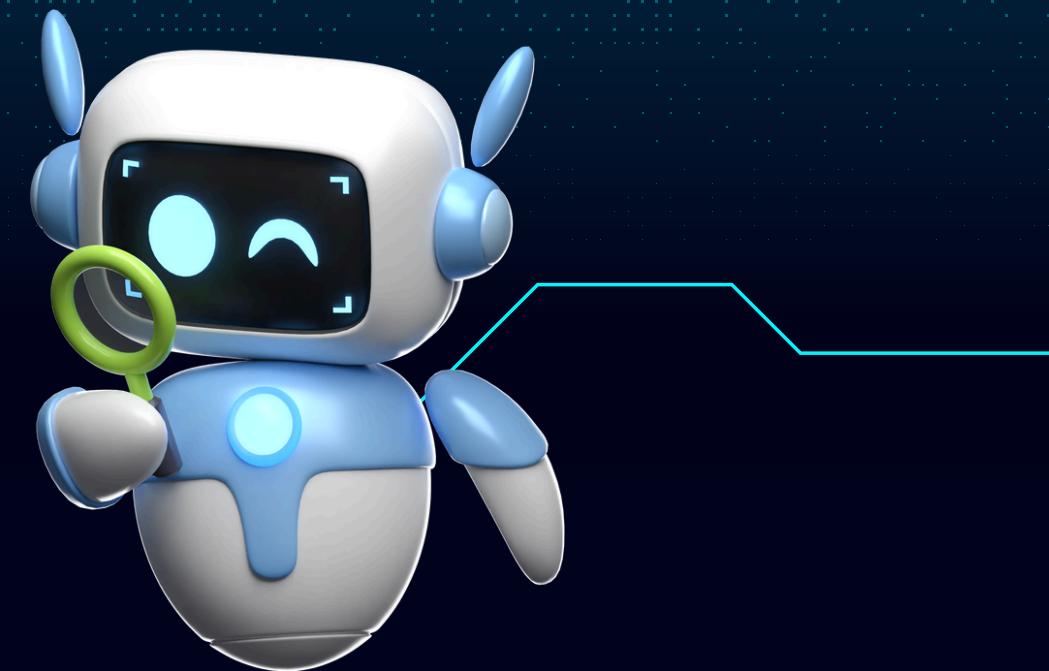
HOME PAGE



GestureMind

Sign Language for the better world

PROTOTYPE



HOME PAGE

The prototype home page for a sign language class features a clean design with a white header and a dark blue footer. The header includes a black hand icon and navigation links for HOME, PROJECT, CONTACT US, and SUPPORT US. The main content area has a light blue background with a circular graphic featuring two stylized figures. The text "Sign Language Class" is prominently displayed, along with sections for "Online Class" (with a photo of a speaker), "OUR SPEAKER! Ms. Tanya Vanyaskov" (with a photo of the speaker), and a contact section with a phone icon and the number +123 - 456 - 7890. The footer contains the heading "OUR MISSION" and a descriptive paragraph about the organization's goals.

Sign Language Class

Online Class

Learn Sign Language with the expert, studying and understanding hand sign to communicate better with others.

We provide online class based and only accept 30 participants to this seminar!

OUR SPEAKER!
Ms. Tanya Vanyaskov

Ms. Tanya Vanyaskov have a Phd in linguistics and devote herself to study sign language and provide disability person a comfortable place to study and learning new things.

Join our seminar by contacting us!

+123 - 456 - 7890

OUR MISSION

our mission is to bridge communication gaps and empower individuals by providing a comprehensive and accessible platform for learning, practicing, and celebrating sign language. We are dedicated to fostering inclusivity, breaking down barriers, and promoting a world where sign language is recognized and embraced as a vital means of communication.

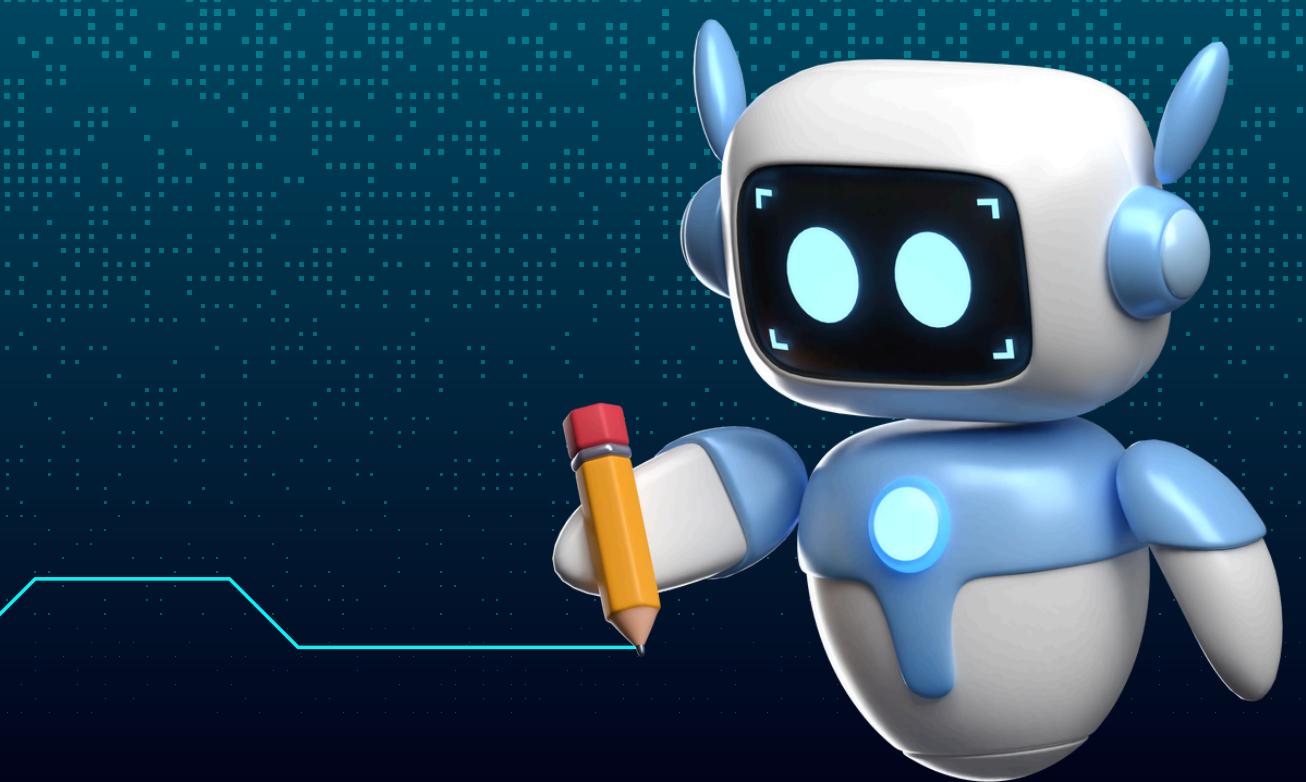
PROTOTYPE

OUR PROJECTS

1st Project



2nd Project



HOME PAGE

PROTOTYPE

HOME PAGE



SUPPORT US

Gesture Mind Foundation is dedicated to promoting Education, Awareness, and Accessibility for the Deaf Community around the world. Your generous contribution can help us achieve our mission and work towards building a more inclusive world. Join us in creating a brighter future for Deaf individuals by supporting our cause today.



GestureMind

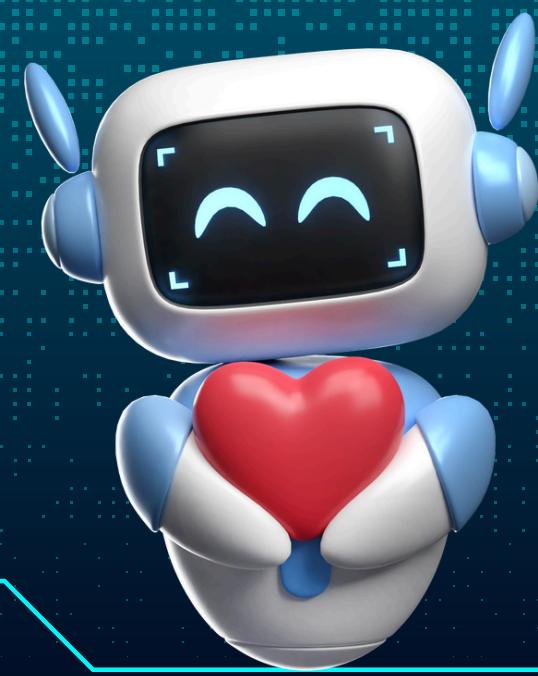
SEMINAR

MISSION

PROJECTS

SUPPORT

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PROTOTYPE

Get In Touch
WE ARE HERE TO HELP!

First Name Last Name

Email

Type your message here!

Get Email Notification

Follow Us:

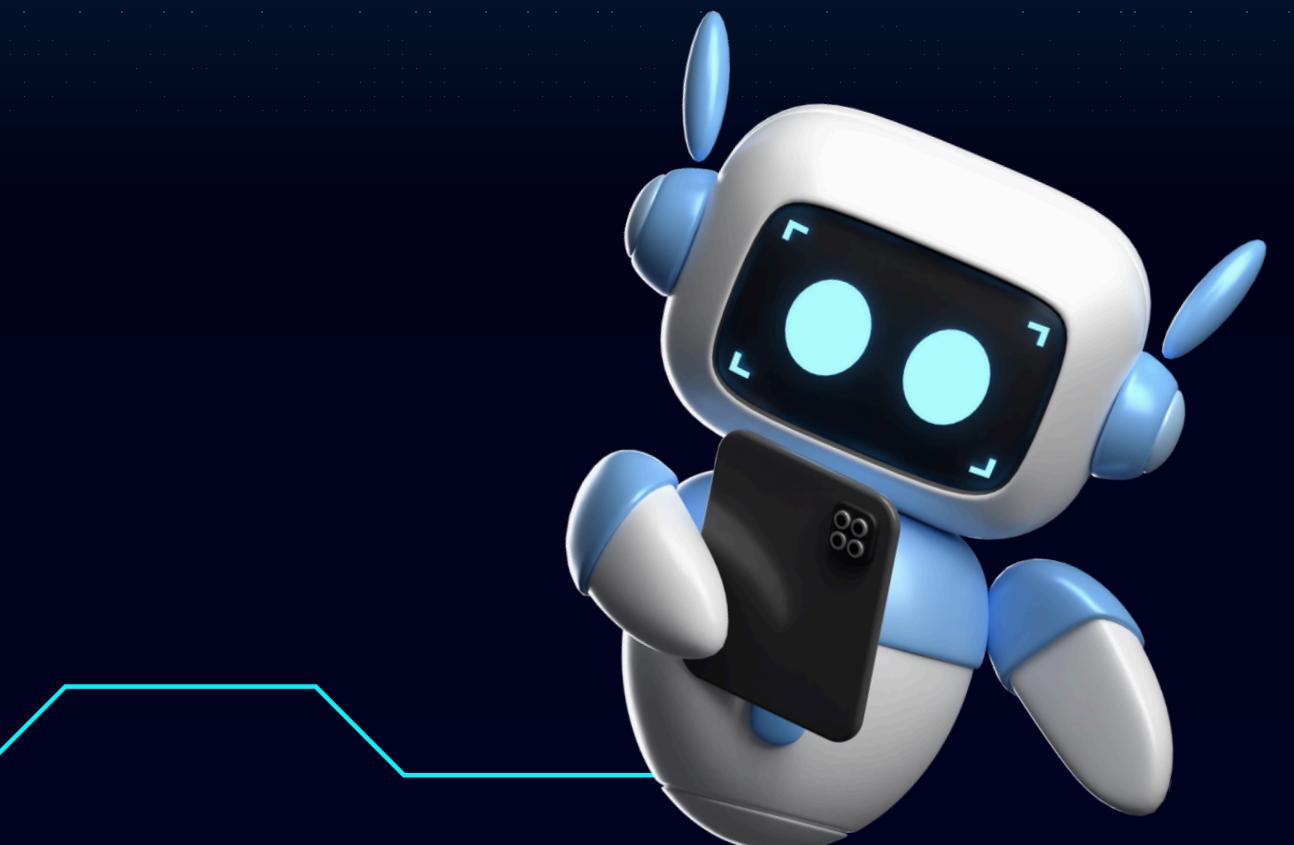
MOBILE +123-456-7890

send us an Email Hello@GestureMind.com

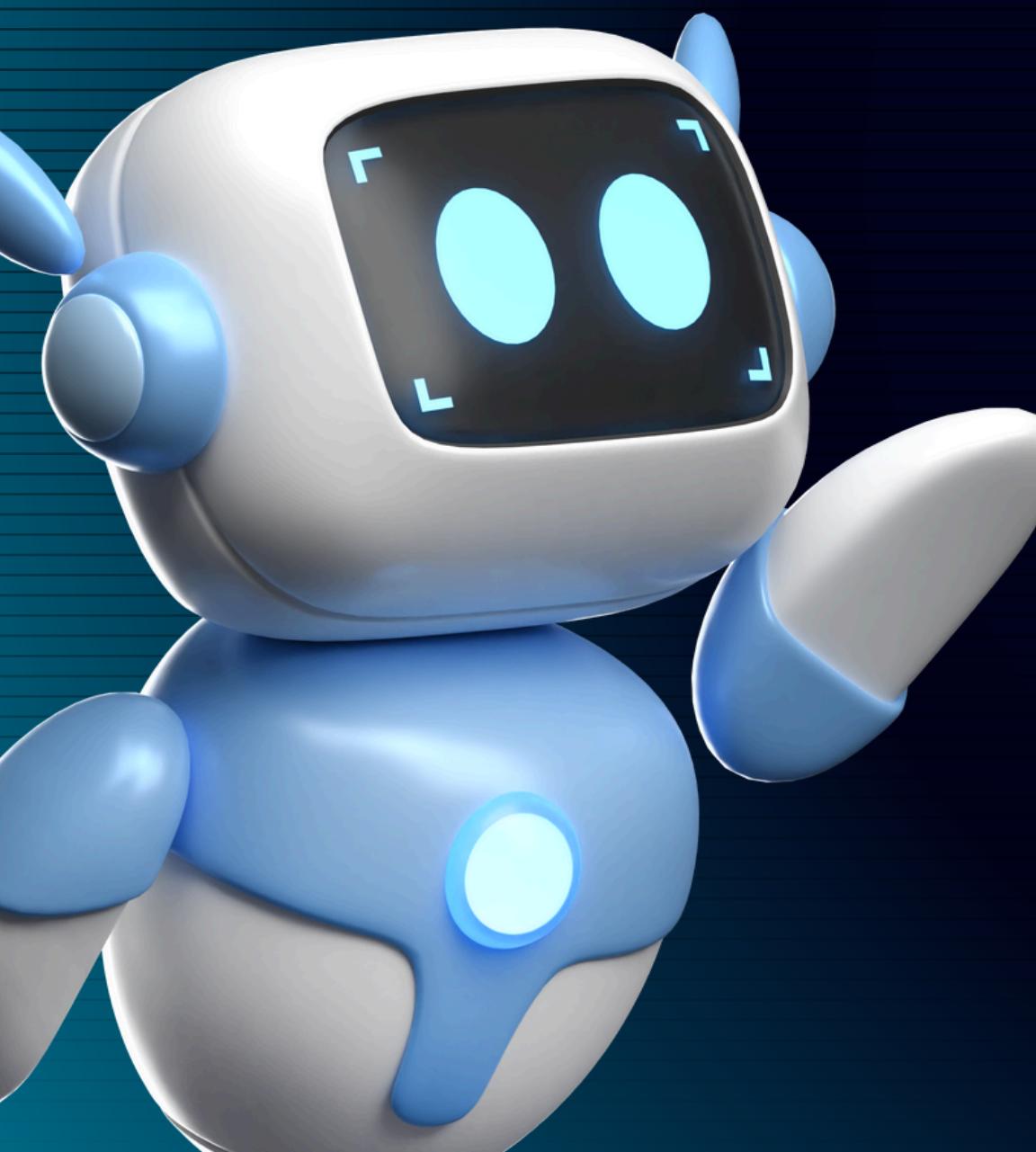
COME SEE US 723 Cornelia Street LONDON, N7 8BA

GestureMind SEMINAR MISSION PROJECTS SUPPORT © 2023 - GestureMind Team All right reserved

CONTACT PAGE



PRACTICAL USES



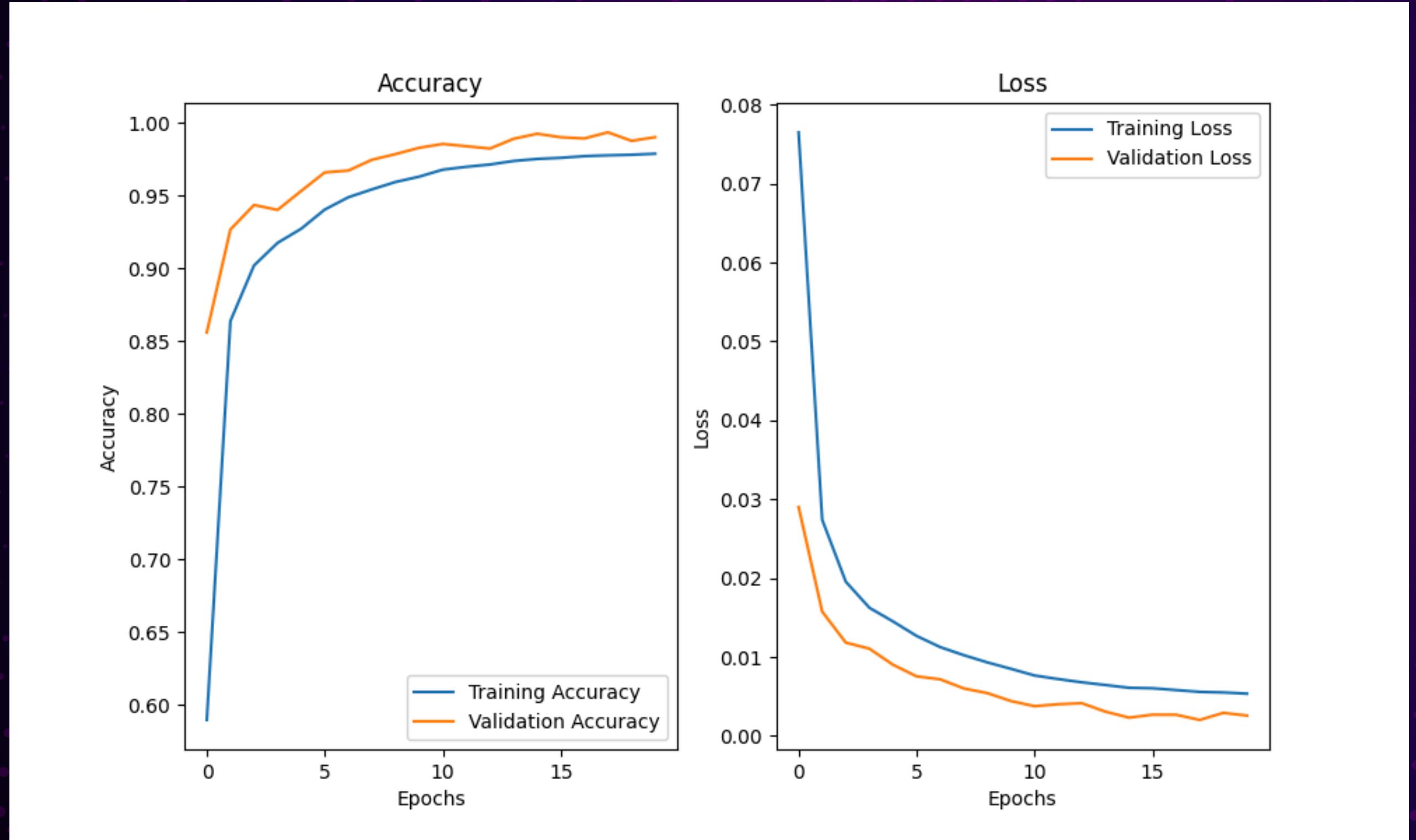
```
model.save('model_handsign.h5')

plt.figure(figsize=(10, 6))

plt.subplot(1, 2, 1)
plt.plot(history.history['accuracy'], label='Training Accuracy')
plt.plot(history.history['val_accuracy'], label='Validation Accuracy')
plt.title('Accuracy')
plt.xlabel("Epochs")
plt.ylabel("Accuracy")
plt.legend()

plt.subplot(1, 2, 2)
plt.plot(history.history['loss'], label='Training Loss')
plt.plot(history.history['val_loss'], label='Validation Loss')
plt.title('Loss')
plt.xlabel("Epochs")
plt.ylabel("Loss")
plt.legend()

plt.savefig("accuracy and loss graph.png")
plt.show()
```



PRACTICAL USES



THANK YOU

