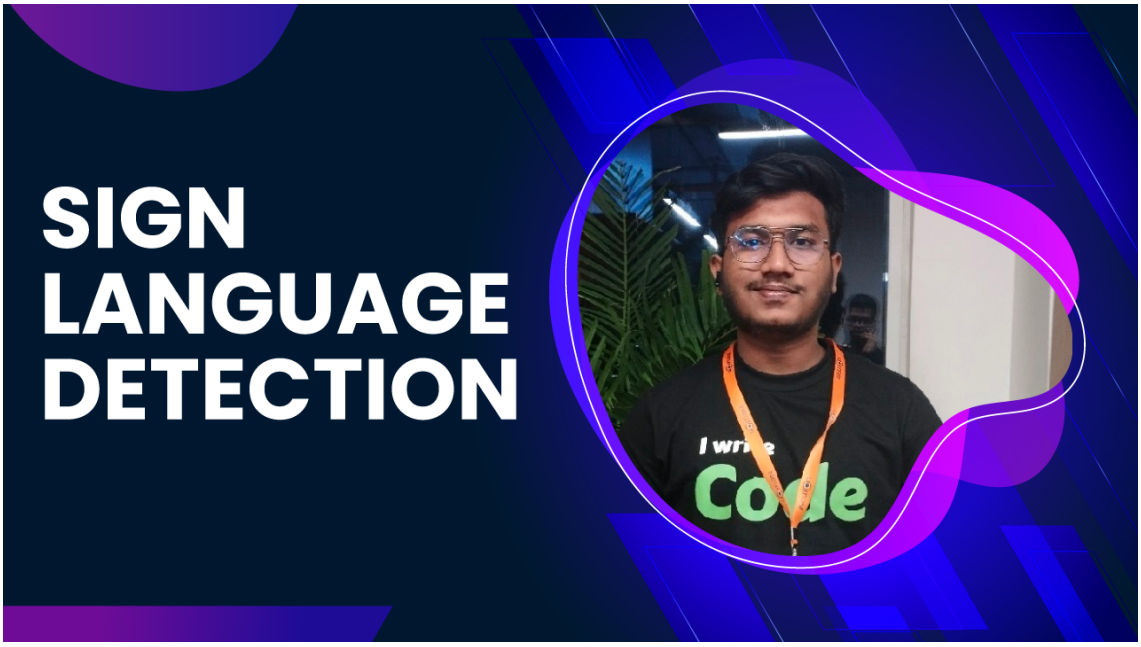
Welcome to ineuron.ai



Sign Language Detection

Description:

The main point of this application is to use the camera to recognize gestures from the sign language to offer a new means of communication. The program will be able to transcribe gestures done by dumb people into written words printed on the screen.

Start Date: 3rd Jan'23

Doubt Clear Time:

Course Time: Flexible

Features:

Do Everything In Industry Grade Lab

Learn As Per Your Timeline

Hands-On Industry Real-Time Projects.

Self Paced Learning

Dashboard Access

What we learn:

Real Time Projects

Sign Language Detection

Object detection with YOLO v5

Creating custom dataset using OpenCV

How to work with bash cmd & Docker

Modular coding approach for training and prediction pipeline along with Flask app

Learn about AWS

Basics of CICD tools

Github Actions for Production-grade deployment

Requirements:

System with minimum i3 processor or better

At least 4 GB of RAM

Working internet connection

Dedication to learn

Instructor:

Name:

Boktiar Ahmed Bappy

Description:

This is Bappy. I aim for simplicity in Data Science. Real Creativity won't make things more complex. Instead, I will simplify them, Interested in a Data Science Career and so develop myself accordingly. Data Scientist and lecturer with

working experience in Machine Learning, Deep Learning, Microcontrollers and Electronics systems. Hands-on experience in classification, regression, clustering, computer vision, natural language processing and transfer learning models to solve challenging business problems. I have a huge interest in Robotics. I have innovated a lot of innovations, ideas, projects & robots and got a lot of achievements.

>Welcome to the Course:

>>Course Overview

>>Dashboard Introduction

>Project :- Sign Language Detection:

>>Introduction of Instructor

>>Project Overview

>>End Notes

>>Problem Description

>>Understand the application scope

>>Tour to existing solution

>>End Notes

>>Solution Description

>>Notebook Walkthrough

>>Tour to Architecture diagram

>>cost involved

>>End Notes

>>Structure overview

>>Data Ingestion

>>Data Validation

>>Data Transformation

>>Model Training and Tunning

>>Model Evaluation

>>Model Pusher

>>Training Pipeline

>>Prediction Pipeline

>>Frontend app design

>>Tour to the cloud and Service Overview (AWS)

>>IAM setup

>>ECR setup

>>EC2 setup

>>Self hosted runner

>>docker

>>Conclude the project

>>Assignments & External Resources