Project 1:

Project title - Sign Language Recognition

A SHORT DESCRIPTION OF THE PROJECT - To help people who are deaf and dumb by creating a sign detector that detects sign language

INPUT OF THE PROJECT - Hand Gestures are recognized in the live camera

OUTPUT OF THE PROJECT- they are converted to text which will help in communication of deaf and dumb people

USE CASE OF THE PROJECT - Sign language is mainly used by deaf and dumb people to communicate with other. Using this model it will make the communication effective and easier

PROJECT 2:

Project title - prediciting clinical lab results

DESCRIPTION - applying ML algorithms to wearable device data helps to predict clinical lab measurements, without having the need to visit the doctor.

Input of the Project - Person need to wear suce devices like fitbits or smartwatches on wrist in order to track their heart rate,sweat gland activation, skin temperature etc.

Output of the Project - Model will able to measure changes in health-vitals over a long period.

Use Case of the project - provides better insights into patients’ health. For example, for patients with low sweat gland activation, the doctors could easily predict dehydration.Such outcomes are not possible with a one-time lab test.

PROJECT 3:

Project title - Protection agains cyber attacks

Description - To help users avoid connecting to harmful websites by predicting "bad neighborhoods" online

Input of the Project - Machine learning identifies dangers by continuously monitoring network behavior for anomalies.

Output of Project - Model will be discover insider threats, undiscovered malware, and policy infractions.

Use Case of the project - Cyber teams and Users can quickly discover cyber attacks and malware other potential threats that hide and collect data