

MACHINE LEARNING PROJECT:

- 1) **Name Entity Recognition on Medical journals**
- 2) **Data Driven Decision Models for Investment in Bonds**
- 3) **Human Activity Recognition with Smartphones**
- 4) **Car-Price-Prediction Based on car dekho dataset**
- 5) **Flight Fare Prediction Web App**
- 6) **Implement model to detect Malaria disease**
- 7) **Signature-recognition Model to help Banking Application**

Signature recognition is a behavioral biometric. It can be operated in two different ways: Static: In this mode, users write their signature on paper, digitize it through an optical scanner or a camera, and the biometric system recognizes the signature analyzing its shape. This group is also known as “off-line”. Dynamic: In this mode, users write their signature in a digitizing tablet, which acquires the signature in real time. Another possibility is the acquisition by means of stylus-operated PDAs. Some systems also operate on smart-phones or tablets with a capacitive screen, where users can sign using a finger or an appropriate pen. Dynamic recognition is also known as “on-line”.

8) Computational Models for Sign Language Recognition Systems

Project Idea: A lot of research has been done to help people who are deaf and dumb. In this sign language recognition project, you create a sign detector that detects sign language. This can be very helpful for the deaf and dumb people in communicating with others

9) Customer Segmentation Models to Help Service Industry using Machine Learning

Project idea – Customer segmentation is a technique in which we divide the customers based on their purchase history, gender, age, interest, etc. It is useful to get this information so that the store can get help in personalize marketing and provide customers with relevant deals.

With the help of this project, companies can run user-specific campaigns and provide user- specific offers rather than broadcasting same offer to all the users.

10) Speech Emotion Recognition model to enhance the application of AI Model

Project idea – This is one of the best machine learning projects. The speech emotion recognition system uses audio data. It takes a part of speech as input and then determines in what emotions the speaker is speaking.

You can identify different emotions like happy, sad, surprised, angry, etc. This project could be helpful for identifying customer emotions during the call with the call Centre.

11) Automatic License Number Plate Recognition using Deep Learning

Project idea: The objective of this machine learning project is to detect and recognize the license number plate of a vehicle and read the license numbers printed on the plate.

This could be a good application for security scans, traffic monitoring, etc.

12) Image Segmentation with Machine Learning

Project Idea: Predict location as well as class to which each object in the image belongs.

Image segmentation results in granular level information about the shape of an image and thus an extension of the concept of Object Detection

13) Music Genre Classification Machine Learning Project

Project Idea: The idea behind this python machine learning project is to develop a machine learning project and automatically classify different musical genres from audio.

You need to classify these audio files using their low-level features of frequency and time domain.

14) Loan Prediction using Machine Learning

Project idea – The idea behind this ML project is to build a model that will classify how much loan the user can take.

It is based on the user's marital status, education, number of dependents, and employments.

You can build a linear model for this project.

15) Stock Price Prediction using Machine Learning

Project idea – There are many datasets available for the stock market prices.

This machine learning beginner's project aims to predict the future price of the stock market based on the previous year's data.

IOT AND EMBEDDED PROJECT

1. Three-phase fault detection using IoT
2. Dolphin-type wave generator.
3. Underground cable fault detection using GSM.
4. Vehicle accident detection & theft prevention.
5. IoT-based disaster management system.
6. Smart crop protection system & soil moisture.
7. Environmental monitoring system using IoT
8. Greenhouse monitoring & control system using IoT
9. Raspberry Pi-powered IOT garden.
10. IoT-based NICU patient monitoring system.