

Prior Knowledge

Python

Python is a high-level, general-purpose programming language. Its design philosophy emphasizes code readability with the use of significant indentation.

Libraries in Python

A Python library is a collection of related modules. It contains bundles of code that can be used repeatedly

TensorFlow:

It is an open-source library used for high-level computations. It is also used in machine learning and deep learning algorithms.

Matplotlib:

This library is responsible for plotting numerical data.

Pandas

It is an open-source machine learning library that provides flexible high-level data structures and a variety of analysis tools.

Numpy:

It is a popular machine learning library that supports large matrices and multi-dimensional data.

And so on.

Deep Learning Concepts :

CNN (Convolutional Neural Network):

a convolutional neural network is a class of deep neural networks, most commonly applied to analyzing visual imagery.

OPENCV(Open source computer vision):

– It is an Open Source Computer Vision Library which are mainly used for image processing, video capture and analysis including features like face detection and object detection.

FLASK:

Flask is a popular Python web framework, meaning it is a third-party Python library used for developing web applications.