OpenCV-Python is **a library of Python bindings designed to solve computer vision problems**.

Python glob. glob() method **returns a list of files or folders that matches the path specified in the pathname argument**.

imread() is one of the most useful and frequently-used methods of the **OpenCV-Python** library. It is used to load an image in the Python program from the specified file. It returns a numpy.ndarray (NumPy N-dimensional array) after loading the image successfully. This numpy.ndarray is a **3-Dimensional** array when the loaded image is a colorful image and a **2-Dimensional** array when the loaded image is a grayscale image.

MLPClassifier stands for **Multi-layer Perceptron classifier** which in the name itself connects to a Neural Network. Unlike other classification algorithms such as Support Vectors or Naive Bayes Classifier, MLPClassifier relies on an underlying Neural Network to perform the task of classification

Principal component analysis (PCA) is a technique for reducing the dimensionality of such datasets, increasing interpretability but at the same time minimizing information loss.

Open-CV