**Pre-Requisites**

To complete this project, you must require the following software’s, concepts, and packages Anaconda Navigator is a free and open-source distribution of the Python and R programming languages for data science and machine learning related applications.

Numpy:

It is an open-source numerical Python library. It contains a multidimensional array and matrix data structures and can be used to perform mathematical operations

Scikit-learn:

It is a free machine learning library for Python. It features various algorithms like support vector machine, random forests, and k-neighbors, and it also supports Python numerical and scientific libraries like NumPy and SciPy

Flask:

Web framework used for building Web applications

Python packages:

open anaconda prompt as administrator

Type “pip install numpy” and click enter.

Type “pip install pandas” and click enter.

Type “pip install scikit-learn” and click enter.

Type “pip install tensorflow==2.3.2” and click enter.

Type “pip install keras==2.3.1” and click enter.

Type “pip install Flask” and click enter.

Deep Learning Concepts

VGG16: VGG16 is a transfer learning method. A pre-trained model trained on 1000 classes of images.