### ***Image Classification with CIFAR-10 Dataset***

**Overview:**

We all know how powerful an application can be with the use of Modern Techniques such as Machine Learning and the Model shines much brighter with Deep Learning technique. The Learning technique is all about how our computer learns with existing data on earth and perform on a similar data, And we are going to use such a dataset **(CIFAR-10)** for our Project.

The CIFAR-10 dataset is a collection of images of 10 different classes like cars, birds, dogs, horses, ships, trucks, etc. which is available in Keras API of TensorFlow Library.

In this Project, we are building a convolution neural network/Convnet model with Python to classify the Images available in the dataset into the suitable category. Various parameter tuning and Regularization methods will be used to make the model more accurate.

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