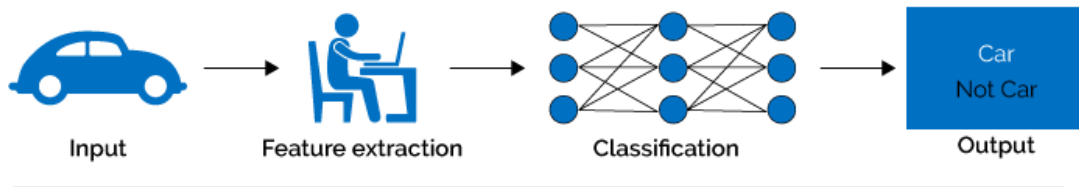


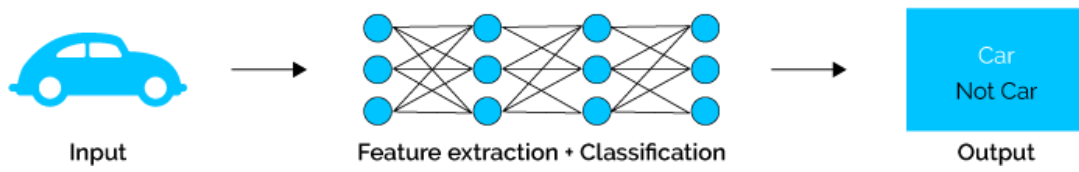
Assignment #3

Object Detection

Machine Learning



Deep Learning



In this assignment you will get to use a machine learning classifier. The input to the classifier will be an image containing an object, e.g., car. The job of the classifier is to tell you which object is present in the image. For now let's assume this classifier is a black box. The input to the box is an image. The output is the name of the image.

You have to complete the steps given on this webpage

<https://www.mathworks.com/help/nnet/ref/alexnet.html>

The tasks mentioned on this webpage are summarized below:

- 1. Download AlexNet Support Package**
- 2. Load Pretrained AlexNet Convolutional Neural Network**
- 3. Classify an Image Using AlexNet**
- 4. Feature Extraction Using AlexNet**
- 5. Transfer Learning Using AlexNet**

All the steps are described in the link given above