**Tensorflow Object Detection API**

Creating accurate machine learning models capable of localizing and identifying multiple objects in a single image remains a core challenge in computer vision.

The TensorFlow Object Detection API is an open source framework built on top of TensorFlow that makes it easy to construct, train and deploy object detection models.

**Convolutional Neural Networks**

**Convolutional Layer:**

**Problem**

**Computer Vision**

Computer vision — which is really an interdisciplinary field — is about computers being able to gain high-level understandings and make conclusions, predictions, and/or statements from some kind of visual input.

This field does not refer to a one concrete tasks but to a group of tasks that machine learning has attempted to solve. One of them is that of object classification

**Image Classification**