

Guided Projects Artificial Intelligence & Machine Learning

Guided Projects: Supervised Learning

Object Detection & Recognition

Image classification involves assigning a **class label to an image**, whereas **object localization involves drawing a bounding box around one or more objects in an image**. Object detection is more challenging and combines these two tasks and draws a bounding box around each object of interest in **the image and assigns** them a class label. Together, all of these problems are referred to as **object recognition**.

Question:

Implement a simple object detection network using any deep learning framework of your choice for the detection and recognition of **COCO dataset**. You may refer to this link to know more about the coco dataset: <https://cocodataset.org/#home>.