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**REFLECTION:**

Working on this assignment helped me understand the basics of object detection, which is about finding objects in images. I learned key terms like bounding boxes, which show where an object is, and IoU, which measures how much the predicted box matches the actual object. I also explored different object detection methods, such as R-CNN, SSD, and YOLO, which are used for detecting objects in pictures or videos.

What I found most useful was learning about tools like TensorFlow, Keras, and OpenCV. By adding steps on how to install and use them in the cheat sheet, I now have a good idea of how these tools help train and run object detection models.

Overall, this cheat sheet will be really helpful for me in the future when I work on object detection tasks. It will save me time by giving me a quick reference to important terms and methods, and it includes tips on how to solve common problems, like detecting overlapping objects or objects of different sizes.

Feedback From Team: With this presentation I noticed that there was a lot of excellent information about Computer vision and specifically object detection. We were able to gather information about how Object detection is used for detecting certain objects within an image. We are also able to find the differences between 1-stage and 2-stage detectors. For example, YOLO is a 1-stage real time object detector that is very well suited for predicting bounding boxes. However, I think we could improve on it by adding some other information about the multiple 2-stage system detectors like R-CNN and Mask. Finally, we can also add some more images to make it a bit more understandable but overall, we did a solid job on making it clear of what we were wanting to present.