Final Project Design

Object detection and recognition applied in autonomous vehicles.

Such as detecting pedestrians, vehicles, traffic lights, road signs, and obstacles. Will focus only on particular objects.

Models: YOLO, Faster R-CNN

Dataset: Cityscapes, Waymo Open Dataset, awesome autonomous driving dataset.

Resources:

- Paper with codes website: paper and code to download
- Udemy

How to solve:
Compare the differences between the networks such as YOLO and Faster R-CNN, compare computation time and accuracy, experiment different backbones in Faster R-CNN.