CSE 541 Computer Vision
Weekly Report Progress

Topic - Person retrieval in surveillance videos using attribute recognition

Group name - Predictors_4.0

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Tasks performed this week:

We trained our person detection model on the Pascal VOC dataset. The Pascal Visual Object Classes (VOC) contains around 20 different types of object categories that includes vehicles, household, animals, and others. Understanding of translation of bounding boxes to the format that our model supports.

Outcomes of the tasks performed:

Understood the importance of diversity in the dataset. The model needs to be rectified for the Pascal VOC dataset because previously, we used the

CrowdHuman dataset. We got the boundary boxes in the format of the Yolo architecture model. Removed the data files that have no value of size in it. So that it does not affect the model accuracy.

Tasks to be performed in the upcoming week:

Training the model with Pascal VOC dataset and measuring the accuracy with some real life data taken from the crowded places of university.