Work Updates

GYneye Project

TASK1:DataSet Training By Google Colab 04/7/2020

Dataset Fuel Of algorithm . Without the data set, we can't do anything. So all that annotation images can be saved in Text File yolo format. That can be Zipped as a folder and copied into our drive. Google Colab is a Free service to provide GPU virtually. By run the python script we can start our training.

Task2:working on DataSet Issue

We are facing trained weight files merging issue..(averaging and adding of two weight files is not possible).Instead of merging, we can train new data set by using the last generated weight file for the old data set. ---(In progress)

Task3:YOLOV3 Deep learning Algorithm 01/07/2020

These are the fastest object detection Deep learning algorithm. This model is the main life of our project.it takes input as an image after processing we get prediction output.YOLO means(you only look once) Deep learning algorithm name.

Task4:Transfer Learning 15/06/2020

Transfer Learning is one of the important technic in machine learning for object detection. they main thing how ? to use already existed one to our requirement.

Task5:Image Labeling 10/05/2020

Labeling is nothing but annotation .If you want to detect an object its play major role ..we can do perfect labeling.

Task 6:R & D On annotation Tool

The task assigned to me by Vikas Sir . For our application, We want one annotation tool . Actually, until now, we used the Desktop application tool only (labeling). Now, we want web application tool..For that, I choose a make-sense annotation tool.

Task7:Make Sense Annotation Tool

MakeSense is an online annotation tool. It is Open Source. In our Project, we want one annotation tool . This one is perfect for our project. It Secure data can't be a store or send to others.No installation is require only we can browse and drop your images.

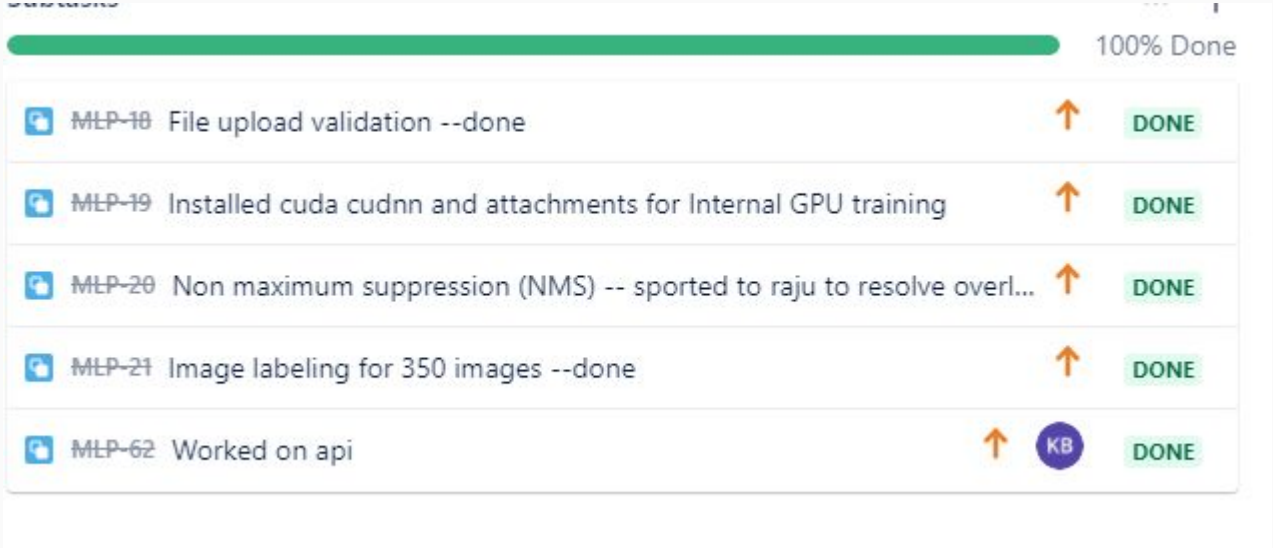
Task 8:worked on api

how to get our model to the front end by using..these code written on python

Task 9:integrating make sense

- The Complete set of the make sense tool can be hosting to 95 sever
- The application was written in TypeScript and is based on React/Redux duo
- I got soo many issues in that
- finally I resolved it
- it will be hosted int 95 server
- pending to make the link public
- once completed that I will share link

TAsk:10 Flask Frame work


100% Done
MLP-18 File upload validation --done
DONE
MLP-19 Installed cuda cudnn and attachments for Internal GPU training
DONE
MLP-20 Non maximum suppression (NMS) -- sported to raju to resolve overl...
DONE
MLP-21 Image labeling for 350 images --done
DONE
MLP-62 Worked on api
KB
DONE

TAsk 11: Testing Annotation Tool

Actually, we can do all previous labeling by using the Labelimg Tool. But now I can do annotations for 10 images by using make sense tool and that output text files and images zipped into one folder and kept training in the google collab