

IPR_PROJECT_1_Instructions

October 22, 2024

1 Instructions to run the model

- To download the dependencies , execute the below command. `requirements.txt` is uploaded in github.

```
pip install -r requirements.txt
```

- The github repository have 2 **.py** files, for two implemented model,
 - Refiner.py
 - Generator.py
- To run the model, specify the proper train data and test data directories in the dataloading section in the code. (specified in the code)
- You can increase the number of epochs, for more extensive training.
- Internet access must be on to get the preloaded vgg-16 weights for the CSRnet model.
 - If internet access is not available, you can download the VGG-16 pre-trained weights manually from the following link: [Download VGG-16 Weights](#). After downloaded, there is a separate commented piece of code that takes the local path of the VGG-16 weights. You can uncomment that part of the code and update the file path to point to the downloaded **.pth** file. Also, comment out the line that loads the weights online.(CSRNet() declaration without vgg-16 path)
- Run the below command to run, execute and evaluate the model.
 - `python3 Refiner.py`
 - `python3 Generator.py`