Ahmedabad University

CSE 541 Computer Vision

Progress Report:

Distracted Driver Detection

Group Details:

Abraca-data

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Tasks performed this week

- Studied properties of DenseNet121 architecture and interpret connected layers in this CNN architecture
- Tried implementing pre-trained model on training dataset

Outcomes of the task performed this week

- We were able to check for accuracy of VGG19 and DenseNet121
- Understand and plot model accuracy and loss for each of these architectures

Tasks to be performed in the upcoming week

- Analyze all results and see which classification model works best for our dataset or which model performs better comparatively
- Work on end semester project presentation and report

Important Links

- https://towardsdatascience.com/a-comprehensive-hands-on-guide-to-transfer-learning-with-real-world-applications-in-deep-learning-212bf3b2f27a
- https://towardsdatascience.com/illustrated-10-cnn-architectures-95d78ace614d
- https://cs231n.github.io/convolutional-networks/
- https://pytorch.org/tutorials/beginner/basics/intro.html