



Ahmedabad
University

CSE 541 Computer Vision

Progress Report:

Distracted Driver Detection

Group Details:

Abraca-data

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Tasks performed this week

- We understood the layers and their connectivity
- Referred to flowcharts to understand concept of Neural networks
- Prepared a poster for better understanding of our problem statement

Outcomes of the task performed this week

- Were able to understand the tasks that each layer performs and how they will be connected
- Represent our approach through flowchart

Tasks to be performed in the upcoming week

- We would be testing our data on pre-trained models and checking for accuracy. We would play around with the results using different layers and different values of the kernel to get more accurate results.
- Our long-term goal is to dig deeper into the classification model that works best for our data. Currently, we restrict ourselves to playing around with the models without going deeper into it.

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/>