

DSE 3159 Week-4 Batch 2 – Weekly Exercises

Q1. Implement the AlexNet architecture. Train, test and report the performance of this model on the **Cats_and_Dogs_Dataset, Horse2Zebra Dataset**

Note:

- The Cats_and_Dogs_Dataset can be downloaded from:
https://storage.googleapis.com/mledu-datasets/cats_and_dogs_filtered.zip
- Horse2Zebra Dataset can be downloaded from:
<https://www.kaggle.com/datasets/balraj98/horse2zebra-dataset>

Q2. Train, test and report the performances using the following models on the **Cats_and_Dogs_Dataset and **Horse2Zebra dataset**.**

- 1) VGG-16
- 2) GoogleNet
- 3) ResNet50
- 4) EfficientNetB0
- 5) MobileNetV2