Project 2 Milestone 1

Description:

In this week's milestone, you are going to implement a CNN for classification of the SVHN dataset. In this milestone you will learn

1. To Implement a CNN classifier with TensorFlow.
2. The building blocks of CNN in TensorFlow (Like declaring different layers in the CNN, compiling the model, setting the optimizer and loss function of a model, etc.,)
3. To use various callback functions in model training for visualization of the loss (Tensorboard), for implementing early stopping,and for saving intermediate model checkpoints.
4. To evaluate a model using TensorFlow.
5. To save a model and its weights for future use.