CV Project3 report

The TensorFlow layers module provides a high-level API that makes it easy to construct a neural network. It provides methods that facilitate the creation of dense layers and convolutional layers, adding activation functions and applying dropout regularization.

In this project I experimented with parameters in different layers as well as adding and deleting layers trying to increase the accuracy.

1. Change the number of filters of the first convolutional layer from 32 to 64, kernel size from 5to 2
2. Change the number of filters of the second convolutional layer from 32 to 64, kernel size to from 5 to 1
3. Change the dropout rate from 0.75 to 0.40
4. Delete the second pool layer
5. Add a second convolutional layer
6. Change learning rate
7. Change batch\_size and iteration value but still make sure the multiplication satisfy the request.

Result: Test accuracy 90.95%