

## **Overfitting Issue**

When I was calibrating the parameters of the model, each time I used dropout or Maxpooling it led to underfitting of the model. The vehicle performed poorly in the autonomous mode. I tried many combinations by varying number of epochs, Dropout percentage and Max-pooling size. So I dropped the idea of using Dropout and Max-pooling. Then I solved the issue of overfitting by varying the number of epochs. Earlier I used 5 epochs but validation error increased after 3 epochs. This showed me that model started to overfit after 3 epochs. So I used that value and my vehicle ran very well in the autonomous mode.