Lab 09

Task:

Design and implement a CNN model (with 4+ layers of convolutions) to classify multi category image datasets. Use the concept of regularization and dropout while designing the CNN model. Use the Fashion MNIST datasets. Record the Training accuracy and Test accuracy corresponding to the following architectures:

a. Base Model

b. Model with L1 Regularization

c. Model with L2 Regularization

d. Model with Dropout

e. Model with both L2 (or L1) and Dropout