NNDL_ASSIGNMENT-7

NAME: JYOSHNA YARRAGUNTLA

STUDENT ID:700758848

Image Classification with CNN:

- 1. Training the model
- 2. Evaluating the model

Programming elements:

- 1. About CNN
- 2. Hyperparameters of CNN
- 3. Image classification with CNN
- 4. Follow the instruction below and then report how the performance changed.(apply all at once)
- Convolutional input layer, 32 feature maps with a size of 3×3 and a rectifier activation function.
 Dropout layer at 20%.
 Convolutional layer, 32 feature maps with a size of 3×3 and a rectifier activation function.
 Max Pool layer with size 2×2.
 Convolutional layer, 64 feature maps with a size of 3×3 and a rectifier activation function.

Dropout layer at 20%. • Convolutional layer, 64 feature maps with a size of 3×3 and a rectifier activation function. • Max Pool layer with size 2×2. • Convolutional layer, 128 feature maps with a size of 3×3 and a rectifier activation function. • Dropout layer at 20%. • Convolutional layer, 128 feature maps with a size of 3×3 and a rectifier activation function. • Max Pool layer with size 2×2. • Flatten layer. • Dropout layer at 20%. • Fully connected layer with 1024 units and a rectifier activation function. • Dropout layer at 20%. • Fully connected layer with 512 units and a rectifier activation function. • Dropout layer at 20%. • Fully connected output layer with 10 units and a Softmax activation function

GITHUB LINK:

https://github.com/Jyoshna200/jyoshna-nueral-ass-7















