Deepnet.py :

Create a convolutional neural network

Train.py :

Train the neural network on cifar-10 data

Predict.py :

Predict 1 image taken randomly from cifar – 10 dataset and predits its label .

Randomly taken image can be saved and then it is used in predict the image .

Class names are converted into labels

Class name class label

Airplane 0

Automobile 1

Bird 2

Cat 3

Deer 4

Dog 5

Frog 6

Horse 7

Ship 8

Truck 9

Predict\_one\_image.py :

It predicts the image which is given in the program by user .

Running sequence :

Deepnet.py 🡪🡪 train.py 🡪🡪predict.py

After saving image predict\_one\_image.py is run , by changing the paths of model and images.