Assignments BhaskarChary 180050023

2 Cincle detaset Theory includes a hiddel layer of 2 nemons of relu activation seeds = 2, 3, 4, 5, 6 These centinuous seeds give an awrage These centinuous seeds give an awrage a curracy of 93.2 [+97.8+97.3]

MNIST dataset

No hidden layer Jon this network

sust an output softman layer

seeds = 0, 1,2,3,4

These seeds give and accuracy of 91.94

91-94= [1.95+91-97+91-96+91.94+91-9] 4 CCFARAD dataset convolution layer with relu Filter = 3×3 Depth = 32 stride = 1 layin 2 Avg Podking layer Filter = 2×2 stride = 2 Convolution layer with rule Filter = 4X4 Dehth = 64 stride = 1 laying , Max hooling layer Filty = 2×2 Stride = 2 larger S Flatten layer layer 6 Fully cenneted layer with 128 neurons and relu layer 7 softman output

achieved 42% acuray

Tark 1

body type (thin, think), presence in singe,
mesence of theoring which, run berglishely
we can add convolution jiters to recognize
such jeatures, Also the size difference
in the spatial domain gets reduced
drastically of as we g jorward in
the network. This is because of Marjary
Pooling levers. This is the way LNN
addresses the difference in location of

Task? To detect multiple offect we can maintain seperate paturemans Jorlach on Mosperts. Each output node will be a Notythete make which belong connected to only those make which belong to the offect represented by that neman to the offect represent the probability activation will represent the probability ment within comes penalize abject is in image

Tasks

To detect orerlapping objects in the same image we can more use smaller single dilters as to have more ditters by ing or the object. This increases the probability of open being secognised.