(base) anand.narasimhan@nbp-204-198 Deep Learning Project % /usr/local/bin/python3 "/Users/anand.narasimh
an/Desktop/Deep Learning Project/main.py"

Test set: Average loss: 0.6038, Accuracy: 8131/10000 (81%)

Test set: Average loss: 0.2254, Accuracy: 9327/10000 (93%)

Test set: Average loss: 0.1476, Accuracy: 9540/10000 (95%)

Test set: Average loss: 0.1241, Accuracy: 9604/10000 (96%)

Test set: Average loss: 0.1042, Accuracy: 9667/10000 (97%)

the sparsity of model is 0.100
Epoch Running Time: -8.538396883010865
(base) anand.narasimhan@nbp-204-198 Deep Learning Project %

(base) anand.narasimhan@nbp-204-198 Deep Learning Project % /usr/local/bin/python3 "/Users/anand.narasimh
an/Desktop/Deep Learning Project/main.py"

Test set: Average loss: 0.6551, Accuracy: 8005/10000 (80%)

Test set: Average loss: 0.2519, Accuracy: 9259/10000 (93%)

Test set: Average loss: 0.1683, Accuracy: 9463/10000 (95%)

Test set: Average loss: 0.1417, Accuracy: 9534/10000 (95%)

Test set: Average loss: 0.1187, Accuracy: 9609/10000 (96%)

the sparsity of model is 0.200
Epoch Running Time: -6.908303284645081
(base) anand.narasimhan@nbp-204-198 Deep Learning Project %

(base) anand.narasimhan@nbp-204-198 Deep Learning Project % /usr/local/bin/python3
"/Users/anand.narasimh
an/Desktop/Deep Learning Project/main.py"

Test set: Average loss: 1.0562, Accuracy: 7223/10000 (72%)

Test set: Average loss: 0.2796, Accuracy: 9202/10000 (92%)

Test set: Average loss: 0.1900, Accuracy: 9408/10000 (94%)

Test set: Average loss: 0.1549, Accuracy: 9509/10000 (95%)

Test set: Average loss: 0.1287, Accuracy: 9598/10000 (96%)

the sparsity of model is 0.300
Epoch Running Time: -6.765181183815002
(base) anand.narasimhan@nbp-204-198 Deep Learning Project %

(base) anand.narasimhan@nbp-204-198 Deep Learning Project % /usr/local/bin/python3
"/Users/anand.narasimh
an/Desktop/Deep Learning Project/main.py"

Test set: Average loss: 2.1416, Accuracy: 5359/10000 (54%)

Test set: Average loss: 0.3160, Accuracy: 9063/10000 (91%)

Test set: Average loss: 0.2140, Accuracy: 9323/10000 (93%)

Test set: Average loss: 0.1725, Accuracy: 9445/10000 (94%)

Test set: Average loss: 0.1427, Accuracy: 9574/10000 (96%)

the sparsity of model is 0.400
Epoch Running Time: -6.60080349445343
(base) anand.narasimhan@nbp-204-198 Deep Learning Project %

(base) anand.narasimhan@nbp-204-198 Deep Learning Project % /usr/local/bin/python3
"/Users/anand.narasimh
an/Desktop/Deep Learning Project/main.py"

Test set: Average loss: 2.2173, Accuracy: 5245/10000 (52%)

Test set: Average loss: 0.3513, Accuracy: 8944/10000 (89%)

Test set: Average loss: 0.2301, Accuracy: 9300/10000 (93%)

Test set: Average loss: 0.1806, Accuracy: 9434/10000 (94%)

Test set: Average loss: 0.1662, Accuracy: 9482/10000 (95%)

the sparsity of model is 0.500
Epoch Running Time: -6.75192620754242
(base) anand.narasimhan@nbp-204-198 Deep Learning Project %

(base) anand.narasimhan@nbp-204-198 Deep Learning Project % /usr/local/bin/python3
"/Users/anand.narasimh
an/Desktop/Deep Learning Project/main.py"

Test set: Average loss: 2.2957, Accuracy: 1431/10000 (14%)

Test set: Average loss: 2.2508, Accuracy: 3502/10000 (35%)

Test set: Average loss: 0.4734, Accuracy: 8651/10000 (87%)

Test set: Average loss: 0.3183, Accuracy: 8995/10000 (90%)

Test set: Average loss: 0.2354, Accuracy: 9301/10000 (93%)

the sparsity of model is 0.600
Epoch Running Time: -6.846975111961365
(base) anand.narasimhan@nbp-204-198 Deep Learning Project %

(base) anand.narasimhan@nbp-204-198 Deep Learning Project % /usr/local/bin/python3 "/Users/anand.narasimh
an/Desktop/Deep Learning Project/main.py"

Test set: Average loss: 2.2987, Accuracy: 1135/10000 (11%)

Test set: Average loss: 2.2925, Accuracy: 1136/10000 (11%)

Test set: Average loss: 2.2555, Accuracy: 3668/10000 (37%)

Test set: Average loss: 0.6281, Accuracy: 7923/10000 (79%)

Test set: Average loss: 0.3787, Accuracy: 8805/10000 (88%)

the sparsity of model is 0.700
Epoch Running Time: -7.628149604797363
(base) anand.narasimhan@nbp-204-198 Deep Learning Project %

(base) anand.narasimhan@nbp-204-198 Deep Learning Project % /usr/local/bin/python3 "/Users/anand.narasimh
an/Desktop/Deep Learning Project/main.py"

Test set: Average loss: 2.3008, Accuracy: 1135/10000 (11%)

Test set: Average loss: 2.2998, Accuracy: 1135/10000 (11%)

Test set: Average loss: 2.2987, Accuracy: 1135/10000 (11%)

Test set: Average loss: 2.2969, Accuracy: 1135/10000 (11%)

Test set: Average loss: 2.2919, Accuracy: 1135/10000 (11%)

the sparsity of model is 0.800
Epoch Running Time: -6.7837670087814335
(base) anand.narasimhan@nbp-204-198 Deep Learning Project %

(base) anand.narasimhan@nbp-204-198 Deep Learning Project % /usr/local/bin/python3 "/Users/anand.narasimh
an/Desktop/Deep Learning Project/main.py"

Test set: Average loss: 2.3013, Accuracy: 1135/10000 (11%)

Test set: Average loss: 2.3008, Accuracy: 1135/10000 (11%)

Test set: Average loss: 2.3006, Accuracy: 1135/10000 (11%)

Test set: Average loss: 2.3005, Accuracy: 1135/10000 (11%)

Test set: Average loss: 2.3003, Accuracy: 1135/10000 (11%)

the sparsity of model is 0.900
Epoch Running Time: -6.764105892181396
(base) anand.narasimhan@nbp-204-198 Deep Learning Project %

(base) anand.narasimhan@nbp-204-198 Deep Learning Project % /usr/local/bin/python3 "/Users/anand.narasimh
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Test set: Average loss: 0.6551, Accuracy: 8005/10000 (80%)

Test set: Average loss: 0.2519, Accuracy: 9259/10000 (93%)

Test set: Average loss: 0.1683, Accuracy: 9463/10000 (95%)

Test set: Average loss: 0.1417, Accuracy: 9534/10000 (95%)

Test set: Average loss: 0.1187, Accuracy: 9609/10000 (96%)

Test set: Average loss: 0.0985, Accuracy: 9677/10000 (97%)

Test set: Average loss: 0.0893, Accuracy: 9718/10000 (97%)

Test set: Average loss: 0.0854, Accuracy: 9717/10000 (97%)

Test set: Average loss: 0.0795, Accuracy: 9748/10000 (97%)

Test set: Average loss: 0.0840, Accuracy: 9730/10000 (97%)

the sparsity of model is 0.200
Epoch Running Time: -13.793466091156006

(base) anand.narasimhan@nbp-204-198 Deep Learning Project % /usr/local/bin/python3
"/Users/anand.narasimh
an/Desktop/Deep Learning Project/main.py"

Test set: Average loss: 2.1416, Accuracy: 5359/10000 (54%)

Test set: Average loss: 0.3160, Accuracy: 9063/10000 (91%)

Test set: Average loss: 0.2140, Accuracy: 9323/10000 (93%)

Test set: Average loss: 0.1725, Accuracy: 9445/10000 (94%)

Test set: Average loss: 0.1427, Accuracy: 9574/10000 (96%)

Test set: Average loss: 0.1104, Accuracy: 9643/10000 (96%)

Test set: Average loss: 0.1107, Accuracy: 9632/10000 (96%)

Test set: Average loss: 0.1011, Accuracy: 9681/10000 (97%)

Test set: Average loss: 0.0931, Accuracy: 9704/10000 (97%)

Test set: Average loss: 0.0896, Accuracy: 9704/10000 (97%)

the sparsity of model is 0.400
Epoch Running Time: -13.542932415008545
(base) anand.narasimhan@nbp-204-198 Deep Learning Project %

(base) anand.narasimhan@nbp-204-198 Deep Learning Project % /usr/local/bin/python3
"/Users/anand.narasimh
an/Desktop/Deep Learning Project/main.py"

Test set: Average loss: 2.2957, Accuracy: 1431/10000 (14%)

Test set: Average loss: 2.2508, Accuracy: 3502/10000 (35%)

Test set: Average loss: 0.4734, Accuracy: 8651/10000 (87%)

Test set: Average loss: 0.3183, Accuracy: 8995/10000 (90%)

Test set: Average loss: 0.2354, Accuracy: 9301/10000 (93%)

Test set: Average loss: 0.1699, Accuracy: 9497/10000 (95%)

Test set: Average loss: 0.1468, Accuracy: 9569/10000 (96%)

Test set: Average loss: 0.1223, Accuracy: 9638/10000 (96%)

Test set: Average loss: 0.1141, Accuracy: 9668/10000 (97%)

Test set: Average loss: 0.1115, Accuracy: 9671/10000 (97%)

the sparsity of model is 0.600
Epoch Running Time: -14.94850697517395
(base) anand.narasimhan@nbp-204-198 Deep Learning Project %

```
(base) anand.narasimhan@nbp-204-198 Deep Learning Project % /usr/local/bin/python3
"/Users/anand.narasimh
an/Desktop/Deep Learning Project/main.py"

Test set: Average loss: 2.3008, Accuracy: 1135/10000 (11%)


Test set: Average loss: 2.2998, Accuracy: 1135/10000 (11%)


Test set: Average loss: 2.2987, Accuracy: 1135/10000 (11%)


Test set: Average loss: 2.2969, Accuracy: 1135/10000 (11%)


Test set: Average loss: 2.2919, Accuracy: 1135/10000 (11%)


Test set: Average loss: 2.2682, Accuracy: 3284/10000 (33%)


Test set: Average loss: 1.4233, Accuracy: 6385/10000 (64%)


Test set: Average loss: 0.4237, Accuracy: 8805/10000 (88%)


Test set: Average loss: 0.3141, Accuracy: 9091/10000 (91%)


Test set: Average loss: 0.2743, Accuracy: 9226/10000 (92%)

the sparsity of model is 0.800
Epoch Running Time: -13.639620685577393
```