springsteen {~/Windows/Profile/CSE574} > python cnnScript.py

Successfully downloaded train-images-idx3-ubyte.gz 9912422 bytes.

Extracting data/MNIST/train-images-idx3-ubyte.gz

Successfully downloaded train-labels-idx1-ubyte.gz 28881 bytes.

Extracting data/MNIST/train-labels-idx1-ubyte.gz

Successfully downloaded t10k-images-idx3-ubyte.gz 1648877 bytes.

Extracting data/MNIST/t10k-images-idx3-ubyte.gz

Successfully downloaded t10k-labels-idx1-ubyte.gz 4542 bytes.

Extracting data/MNIST/t10k-labels-idx1-ubyte.gz

Size of:

- Training-set: 55000

- Test-set: 10000

- Validation-set: 5000

Accuracy on Test-Set: 7.6% (758 / 10000)

Optimization Iteration: 1, Training Accuracy: 1.6%

Time usage: 0:00:00

Accuracy on Test-Set: 7.3% (726 / 10000)

Time usage: 0:00:11

Accuracy on Test-Set: 67.8% (6777 / 10000)

Optimization Iteration: 101, Training Accuracy: 71.9%

Optimization Iteration: 201, Training Accuracy: 75.0%

Optimization Iteration: 301, Training Accuracy: 75.0%

Optimization Iteration: 401, Training Accuracy: 85.9%

Optimization Iteration: 501, Training Accuracy: 87.5%

Optimization Iteration: 601, Training Accuracy: 95.3%

Optimization Iteration: 701, Training Accuracy: 93.8%

Optimization Iteration: 801, Training Accuracy: 92.2%

Optimization Iteration: 901, Training Accuracy: 93.8%

Time usage: 0:01:36

Accuracy on Test-Set: 92.9% (9291 / 10000)

Optimization Iteration: 1001, Training Accuracy: 87.5%

Optimization Iteration: 1101, Training Accuracy: 93.8%

Optimization Iteration: 1201, Training Accuracy: 95.3%

Optimization Iteration: 1301, Training Accuracy: 96.9%

Optimization Iteration: 1401, Training Accuracy: 98.4%

Optimization Iteration: 1501, Training Accuracy: 90.6%

Optimization Iteration: 1601, Training Accuracy: 95.3%

Optimization Iteration: 1701, Training Accuracy: 98.4%

Optimization Iteration: 1801, Training Accuracy: 95.3%

Optimization Iteration: 1901, Training Accuracy: 92.2%

Optimization Iteration: 2001, Training Accuracy: 93.8%

Optimization Iteration: 2101, Training Accuracy: 98.4%

Optimization Iteration: 2201, Training Accuracy: 96.9%

Optimization Iteration: 2301, Training Accuracy: 93.8%

Optimization Iteration: 2401, Training Accuracy: 98.4%

Optimization Iteration: 2501, Training Accuracy: 98.4%

Optimization Iteration: 2601, Training Accuracy: 100.0%

Optimization Iteration: 2701, Training Accuracy: 98.4%

Optimization Iteration: 2801, Training Accuracy: 100.0%

Optimization Iteration: 2901, Training Accuracy: 95.3%

Optimization Iteration: 3001, Training Accuracy: 95.3%

Optimization Iteration: 3101, Training Accuracy: 98.4%

Optimization Iteration: 3201, Training Accuracy: 92.2%

Optimization Iteration: 3301, Training Accuracy: 100.0%

Optimization Iteration: 3401, Training Accuracy: 98.4%

Optimization Iteration: 3501, Training Accuracy: 98.4%

Optimization Iteration: 3601, Training Accuracy: 95.3%

Optimization Iteration: 3701, Training Accuracy: 100.0%

Optimization Iteration: 3801, Training Accuracy: 92.2%

Optimization Iteration: 3901, Training Accuracy: 100.0%

Optimization Iteration: 4001, Training Accuracy: 96.9%

Optimization Iteration: 4101, Training Accuracy: 100.0%

Optimization Iteration: 4201, Training Accuracy: 100.0%

Optimization Iteration: 4301, Training Accuracy: 100.0%

Optimization Iteration: 4401, Training Accuracy: 96.9%

Optimization Iteration: 4501, Training Accuracy: 100.0%

Optimization Iteration: 4601, Training Accuracy: 98.4%

Optimization Iteration: 4701, Training Accuracy: 96.9%

Optimization Iteration: 4801, Training Accuracy: 96.9%

Optimization Iteration: 4901, Training Accuracy: 98.4%

Optimization Iteration: 5001, Training Accuracy: 98.4%

Optimization Iteration: 5101, Training Accuracy: 100.0%

Optimization Iteration: 5201, Training Accuracy: 95.3%

Optimization Iteration: 5301, Training Accuracy: 98.4%

Optimization Iteration: 5401, Training Accuracy: 100.0%

Optimization Iteration: 5501, Training Accuracy: 96.9%

Optimization Iteration: 5601, Training Accuracy: 98.4%

Optimization Iteration: 5701, Training Accuracy: 96.9%

Optimization Iteration: 5801, Training Accuracy: 96.9%

Optimization Iteration: 5901, Training Accuracy: 98.4%

Optimization Iteration: 6001, Training Accuracy: 100.0%

Optimization Iteration: 6101, Training Accuracy: 98.4%

Optimization Iteration: 6201, Training Accuracy: 100.0%

Optimization Iteration: 6301, Training Accuracy: 96.9%

Optimization Iteration: 6401, Training Accuracy: 98.4%

Optimization Iteration: 6501, Training Accuracy: 100.0%

Optimization Iteration: 6601, Training Accuracy: 98.4%

Optimization Iteration: 6701, Training Accuracy: 98.4%

Optimization Iteration: 6801, Training Accuracy: 98.4%

Optimization Iteration: 6901, Training Accuracy: 100.0%

Optimization Iteration: 7001, Training Accuracy: 95.3%

Optimization Iteration: 7101, Training Accuracy: 100.0%

Optimization Iteration: 7201, Training Accuracy: 98.4%

Optimization Iteration: 7301, Training Accuracy: 100.0%

Optimization Iteration: 7401, Training Accuracy: 96.9%

Optimization Iteration: 7501, Training Accuracy: 100.0%

Optimization Iteration: 7601, Training Accuracy: 98.4%

Optimization Iteration: 7701, Training Accuracy: 98.4%

Optimization Iteration: 7801, Training Accuracy: 100.0%

Optimization Iteration: 7901, Training Accuracy: 98.4%

Optimization Iteration: 8001, Training Accuracy: 98.4%

Optimization Iteration: 8101, Training Accuracy: 98.4%

Optimization Iteration: 8201, Training Accuracy: 96.9%

Optimization Iteration: 8301, Training Accuracy: 98.4%

Optimization Iteration: 8401, Training Accuracy: 98.4%

Optimization Iteration: 8501, Training Accuracy: 92.2%

Optimization Iteration: 8601, Training Accuracy: 98.4%

Optimization Iteration: 8701, Training Accuracy: 100.0%

Optimization Iteration: 8801, Training Accuracy: 98.4%

Optimization Iteration: 8901, Training Accuracy: 98.4%

Optimization Iteration: 9001, Training Accuracy: 100.0%

Optimization Iteration: 9101, Training Accuracy: 98.4%

Optimization Iteration: 9201, Training Accuracy: 100.0%

Optimization Iteration: 9301, Training Accuracy: 98.4%

Optimization Iteration: 9401, Training Accuracy: 98.4%

Optimization Iteration: 9501, Training Accuracy: 100.0%

Optimization Iteration: 9601, Training Accuracy: 98.4%

Optimization Iteration: 9701, Training Accuracy: 100.0%

Optimization Iteration: 9801, Training Accuracy: 98.4%

Optimization Iteration: 9901, Training Accuracy: 95.3%

Time usage: 0:15:11

Accuracy on Test-Set: 98.5% (9854 / 10000)