*Dataset* :

The dataset used is MNIST. It is a dataset of 60,000 small square 28×28 pixel grayscale images of handwritten single digits between 0 and 9.

*Neural network architecture* :

Input layer : 784 units

Hidden Layer 1: 128 relu units

Hidden Layer 2: 32 relu units

Output layer: 10 softmax units

*Batch size* = **100**

*Number of epochs* = **50**

*Training time* = **14min 27sec**

*Accuracy on Training set* = **99.57%**

*Accuracy on Cross-validation set* = **96.74%**

*Accuracy on Test set* = **97.21%**

