

Lab03 Report

ANN Analysis:

Layer (type)	Output Shape	Param #
flatten (Flatten)	(None, 784)	0
dense (Dense)	(None, 128)	100,480
dense_1 (Dense)	(None, 10)	1,290

Total params: 101,770 (397.54 KB)

Trainable params: 101,770 (397.54 KB)

Non-trainable params: 0 (0.00 B)

- **Architecture:**
 - 28x28 Image → 784 Neurons → 128 Neurons → 10 Output
- **Metric:**
 - Epochs: 6
 - Accuracy: 0.972100019454956
 - Loss: 0.09034173935651779

CNN Analysis:

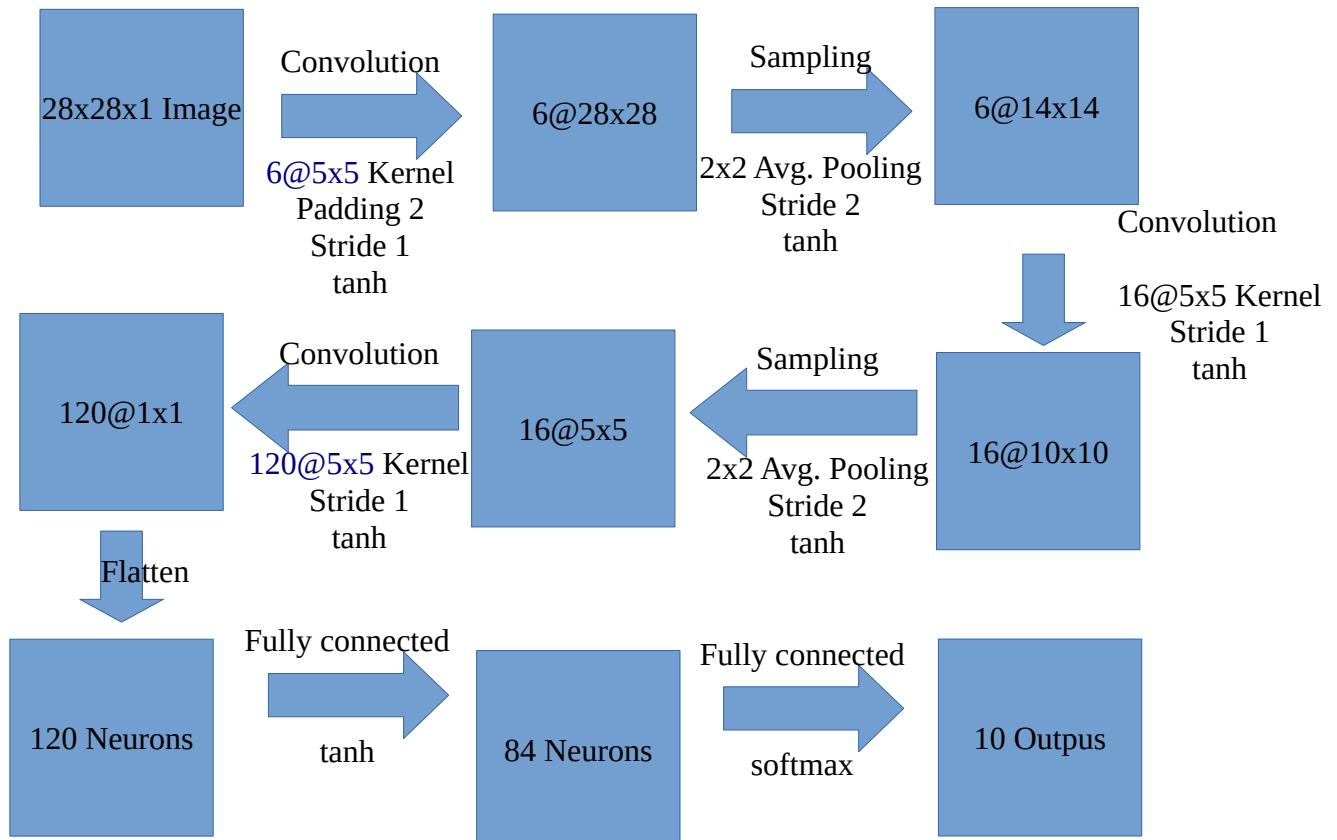
Layer (type)	Output Shape	Param #
conv2d_6 (Conv2D)	(None, 28, 28, 6)	156
average_pooling2d_4 (AveragePooling2D)	(None, 14, 14, 6)	0
conv2d_7 (Conv2D)	(None, 10, 10, 16)	2,416
average_pooling2d_5 (AveragePooling2D)	(None, 5, 5, 16)	0
conv2d_8 (Conv2D)	(None, 1, 1, 120)	48,120
flatten_2 (Flatten)	(None, 120)	0
dense_4 (Dense)	(None, 84)	10,164
dense_5 (Dense)	(None, 10)	850

Total params: 61,706 (241.04 KB)

Trainable params: 61,706 (241.04 KB)

Non-trainable params: 0 (0.00 B)

- **Architecture:**



- **Metric:**

- Epochs: 6
- Accuracy: 98.45%
- Loss: 0.047294165939092636