REPORT

Dataset: MnistDataset

NN architecture:

input nodes = 784

1 hidden nodes = 200

2 hidden nodes = 200

output nodes = 10

Code settings:

learning rate = 0.1

batch size = 10

epochs = 5

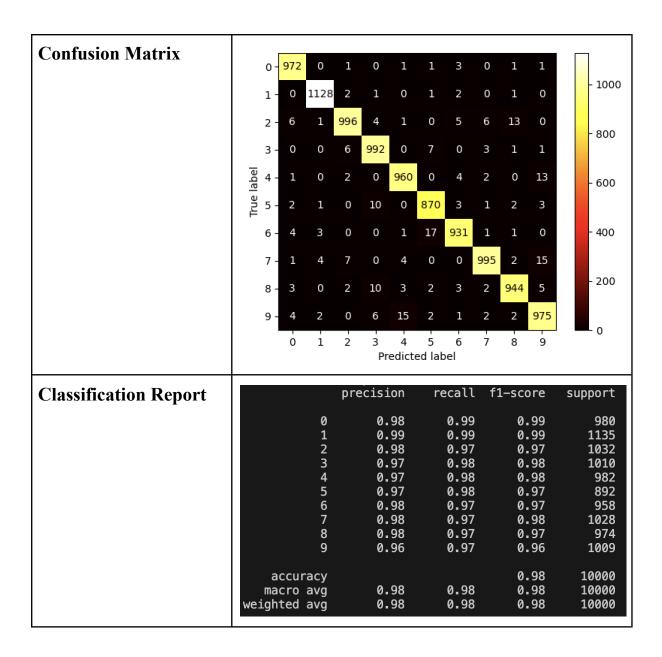
activation functions: Hardswish

optimizer: SGD

loss function: cross-entropy loss

	per class	general
Accuracy	0 class - 0.99 1 class - 0.99 2 class - 0.97 3 class - 0.98 4 class - 0.98 5 class - 0.98 6 class - 0.97 7 class - 0.97 8 class - 0.97 9 class - 0.97	0.9763

Precision	0 class - 0.97885	0.97633177698
	1 class - 0.99034	
	2 class - 0.98031	
	3 class - 0.96969	
	4 class - 0.97461	
	5 class - 0.96666	
	6 class - 0.97794	
	7 class - 0.98320	
	8 class - 0.97621	
	9 class - 0.96248	
Recall	0 class - 0.99183	0.9763
Recail	1 class - 0.99383	0.7703
	2 class - 0.96511	
	3 class - 0.98217	
	4 class - 0.97759	
	5 class - 0.97533	
	6 class - 0.97181	
	7 class - 0.96789	
	8 class - 0.96919	
	9 class - 0.96630	
F1-Score	0 class - 0.98530	0.97629053749
	1 class - 0.99208	
	2 class - 0.97265	
	3 class - 0.97589	
	4 class - 0.97610	
	5 class - 0.97098	
	6 class - 0.97486	
	7 class - 0.9754	
	8 class - 0.97269	
	9 class - 0.96439	



Дані Accuracy для кожного класу були взяті з Confusion Matrix:

