PERFORMANCE TESTING

Team id: PNT2022TMID53039

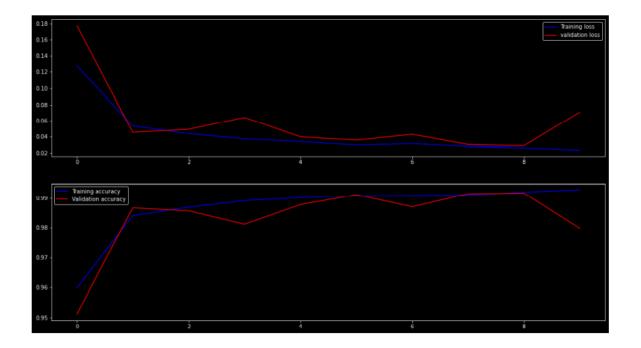
A Novel Method For Handwritten Digit Recognition System

MODEL SUMMARY

Model: "sequential"		
Layer (type)	Output Shape	Param #
	·	
conv2d (Conv2D)	(None, 26, 26, 64)	640
conv2d_1 (Conv2D)	(None, 24, 24, 32)	18464
flatten (Flatten)	(None, 18432)	0
dense (Dense)	(None, 10)	184330
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Total params: 203,434		
Trainable params: 203,434		
Non-trainable params: 0		
-		

ACCURACY

CONTENT	VALUE
Training Accuracy	99.14%
Training Loss	2.70%
Validation Accuracy	97.76%
Validation Loss	10.36%



CONFUSION MATRIX

0 -	951	0	0	0	0	0	2	0	0	0
1	0	1119	0	0	3	0	2	1	0	0
- 5	5	2	1020	0	6	0	21	9	0	0
۳ -	2	6	11	1009	0	3	1	5	6	2
True Values 5 4	0	0	0	0	936	0	0	0	0	1
True \	12	1	1	1	1	888	13	0	1	3
9 -	1	1	0	0	2	1	916	0	0	0
7	2	5	0	0	4	0	0	1012	1	2
œ -	7	1	0	0	0	0	3	0	966	0
6 -	0	0	0	0	30	0	0	1	0	1001
0 1 2 3 4 5 6 7 8 9 Predicted Values										

CLASSIFICATION REPORT

	precision	recall	f1-score	support
0	1.00	0.97	0.98	980
1	0.99	0.99	0.99	1135
2	0.96	0.99	0.97	1032
3	0.97	1.00	0.98	1010
4	1.00	0.95	0.98	982
5	0.96	1.00	0.98	892
6	0.99	0.96	0.97	958
7	0.99	0.98	0.99	1028
8	0.99	0.99	0.99	974
9	0.97	0.99	0.98	1009
N-10-10				
accuracy			0.98	10000
macro avg	0.98	0.98	0.98	10000
weighted avg	0.98	0.98	0.98	10000