Choose files | Train.csv

• Train.csv(lext/csv) - 76775041 bytes, last modified: 05/05/2025 - 100% done Saving Train.csv to Train (1).csv
Shape of train_data: (42000, 785)
Shape of X after separating features: (42000, 784)

0 1 0 1 0 0 2 1 0	0 0	0	0	0	0		0	0		0	0	0	0	0	0	0	
		,0	0	0	n										-	•	
2 1 0					· ·	0	0	0	775/8	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	
3 4 0	0	0	0	0	0	0	0	0	***	0	0	0	0	0	0	0	
4 0 0	0	0	0	0	0	0	0	0		0	Ô	0	0	0	0	0	

→ Shape of X after reshaping: (42000, 28, 28, 1)

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⇒ Shape of y after one-hot encoding: (42000, 10, 10, 10) label pixel0 pixel1 pixel2 pixel3 pixel4 pixel5 pixel6 pixel7 pixel77 pixel774 pixel775 pixel776 pixel777 pixel778 pixel779 pixel779 pixel780 pixel780 pixel780

0 ...

0 ...

5 rows × 785 columns

₹ X_train shape: (33600, 28, 28, 1)

/usr/local/lib/python3.11/dist-packages/keras/src/layers/reshaping/flatten.py:37: UserWarning: Do not pass an `input_shape`/`input_dim` argument to a layer. When super().__init_(**kwargs)

Model: "sequential"

Layer (type)	Output Shape	Param #		
flatten (Flatten)	(None, 784)	0		
dense (Dense)	(None, 128)	100,480		
dense_1 (Dense)	(None, 64)	8,256		
dense_2 (Dense)	(None, 10)	650		

Total params: 109,386 (427.29 KB) Trainable params: 109,386 (427.29 KB) Non-trainable params: 0 (0.00 B)

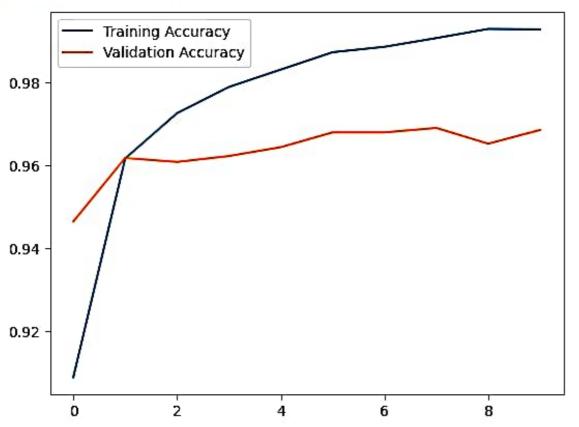
- 5s 4ms/step - accuracy: 0.9941 - loss: 0.0179 - val_accuracy: 0.9652 - val_loss: 0.1258

— 6s 5ms/step - accuracy: 0.9944 - loss: 0.0173 - val_accuracy: 0.9686 - val_loss: 0.1398

1050/1050

Epoch 10/10 1050/1050 -

263/263 — 1s 2ms/step - accuracy: 0.9683 - loss: 0.1574 Validation Accuracy: 96.86%



Predicted: 9



Predicted: 0



Predicted: 3

