A Novel Method for Handwritten Digit Recognition System

Observing the metrics

Project Id: PNT2022TMID15811

In [99]:	# Test to			est,pr	eds)						
Out[99]:	array([[978,	0,	0,	0,	0,	0,	0,	0,	2,	0],
]	0,	1112,	2,	3,	0,	1,	1,	1,	15,	0],
] [4,	0,	995,	2,	3,	0,	2,	3,	23,	0],
] [0,	0,	2,	996,	0,	2,	0,	0,	10,	0],
] [1,	0,	3,	0,	969,	0,	0,	0,	4,	5],
] [2,	0,	0,	10,	0,	858,	2,	0,	15,	5],
] [6,	1,	1,	0,	1,	1,	933,	0,	15,	0],
] [0,	3,	8,	8,	5,	0,	0,	961,	29,	14],
] [2,	0,	1,	0,	0,	0,	0,	1,	969,	1],
] [7,	2,	0,	3,	7,	3,	0,	0,	24,	963]],
	dt	ype=i	nt64)								

n [23]:	<pre>print(classification_report(y_test,preds))</pre>								
			precision	recall	f1-score	support			
		0	0.99	0.99	0.99	980			
		1	1.00	0.99	0.99	1135			
		2	0.99	0.99	0.99	1032			
		3	0.99	0.99	0.99	1010			
		4	0.99	0.99	0.99	982			
		5	0.99	0.99	0.99	892			
		6	0.99	0.99	0.99	958			
		7	0.99	0.98	0.99	1028			
		8	1.00	0.98	0.99	974			
		9	0.99	0.97	0.98	1009			
	micro	avg	0.99	0.99	0.99	10000			
	macro	avg	0.99	0.99	0.99	10000			
	weighted	avg	0.99	0.99	0.99	10000			
	samples	avg	0.99	0.99	0.99	10000			