



Department of Computer Science and Engineering

Course Title: Machine Learning

Course Code: CSE 475

Section: 02

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Submitted to

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Model-01:NASNetMobile

Train Test Ratio	Accuracy	Precision	Recall	F1-Score	GFlops
90:10	0.8650	0.8687	0.8650	0.8608	4,816,030
80:20	0.8875	0.8896	0.8875	0.8876	4,816,030
70:30	0.9033	0.9049	0.9033	0.9029	4,816,030
60:40	0.8950	0.8982	0.8950	0.8948	4,816,030
50:50	0.8820	0.8828	0.8820	0.8817	4,816,030
40:60	0.8860	0.8876	0.8867	0.8868	4,269,716
30:70	0.9321	0.9327	0.9322	0.9322	4,269,716
20:80	0.8313	0.8354	0.8313	0.8327	4,269,716
10:90	0.7839	0.7839	0.7839	0.7830	4,269,716

Model-02:ConvNeXtTiny

Train Test Ratio	Accuracy	Precision	Recall	F1-Score	GFlops
90:10	0.8200	0.8349	0.8200	0.8149	28,218,986
80:20	0.8175	0.8203	0.8175	0.8154	28,218,986
70:30	0.7450	0.7533	0.7450	0.7393	28,218,986
60:40	0.8812	0.8981	0.8812	0.8794	28,218,986
50:50	0.8700	0.8907	0.8700	0.8690	28,218,986
40:60	0.8600	0.8822	0.8600	0.8595	28,218,986
30:70	0.5914	0.6124	0.5914	0.5625	28,218,986
20:80	0.8062	0.8486	0.8063	0.8067	28,218,986
10:90	0.7911	0.8163	0.7911	0.7836	28,218,986

Model-03: InceptionV3

Train Test Ratio	Accuracy	Precision	Recall	F1-Score	GFlops
90:10	0.9150	0.9209	0.9150	0.9142	22,857,002
80:20	0.9200	0.9213	0.9200	0.9203	22,857,002
70:30	0.9067	0.7511	0.7417	0.7396	22,857,002
60:40	0.8988	0.9073	0.8988	0.8983	22,857,002
50:50	0.8650	0.8753	0.8650	0.8666	22,857,002
40:60	0.8775	0.8861	0.8775	0.8774	22,857,002
30:70	0.8648	0.8778	0.8651	0.8635	22,857,002
20:80	0.8025	0.8372	0.8025	0.8044	22,857,002
10:90	0.7956	0.8131	0.7956	0.7950	22,857,002

Model-04:ResNet50

Train Test Ratio	Accuracy	Precision	Recall	F1-Score	GFlops
90:10	0.7300	0.7341	0.7300	0.7259	24,641,930
80:20	0.7475	0.7566	0.7475	0.7421	24,641,930
70:30	0.7417	0.7511	0.7417	0.7396	24,641,930
60:40	0.6875	0.7487	0.6875	0.6804	24,641,930
50:50	0.6960	0.7557	0.6960	0.6841	24,641,930
40:60	0.6758	0.7370	0.6758	0.6679	24,641,930
30:70	0.4553	0.4686	0.4562	0.4193	24,641,930
20:80	0.6400	0.6931	0.6400	0.6243	24,641,930
10:90	0.5778	0.6060	0.5778	0.5617	24,641,930

Model-05: DenseNet12

Train Test Ratio	Accuracy	Precision	Recall	F1-Score	GFlops
90:10	0.8900	0.9395	0.9350	0.9345	7,567,434
80:20	0.9450	0.9463	0.9450	0.9449	7,567,434
70:30	0.9283	0.9290	0.9283	0.9282	7,567,434
60:40	0.9163	0.9163	0.9163	0.9159	7,567,434
50:50	0.9150	0.9183	0.9150	0.9155	7,567,434
40:60	0.9033	0.9059	0.9033	0.9039	7,567,434
30:70	0.9470	0.9478	0.9470	0.9471	7,567,434
20:80	0.8788	0.8798	0.8787	0.8784	7,567,434
10:90	0.8483	0.8494	0.8483	0.8455	7,567,434