

EfficientNetB3

		5 Epochs	10 Epochs	15 Epochs
Training Accuracy		99.97%	99.98%	100.0%
Testing Accuracy		99.50%	99.00%	99.50%
Macro Avg.	Precision	99.70%	99.38%	99.70%
	Recall	98.75%	97.68%	98.75%
	F1 Score	99.21%	98.94%	99.21%
BFlops		29678856		
Inference Time		0.089 Second	0.084 Second	0.087 Second
Size of Model		44.4 MB		

Classification Report & Confusion Matrix

5 Epochs

For Training(EfficientNetB3)				
	precision	recall	f1-score	support
0	1.00	1.00	1.00	853
1	1.00	1.00	1.00	1984
2	1.00	1.00	1.00	431
3	1.00	1.00	1.00	838
accuracy			1.00	4106
macro avg	1.00	1.00	1.00	4106
weighted avg	1.00	1.00	1.00	4106
[[853 0 0 0]				
[0 1983 1 0]				
[0 0 431 0]				
[0 0 0 838]]				
For Testing(EfficientNetB3)				
	precision	recall	f1-score	support
0	1.00	1.00	1.00	146
1	0.99	1.00	0.99	167
2	1.00	0.95	0.97	40
3	1.00	1.00	1.00	50
accuracy			1.00	403
macro avg	1.00	0.99	0.99	403
weighted avg	1.00	1.00	0.99	403
[[146 0 0 0]				
[0 167 0 0]				
[0 2 38 0]				
[0 0 0 50]]				

10 Epochs

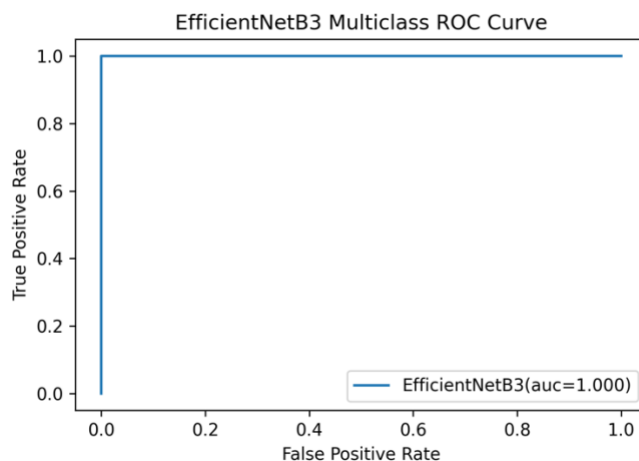
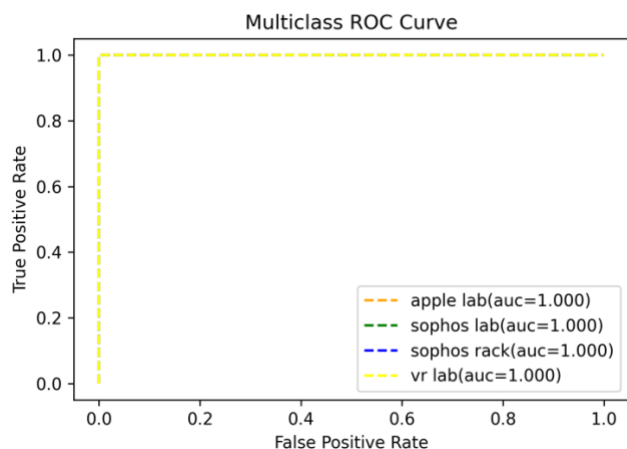
For Testing(EfficientNetB3)				
	precision	recall	f1-score	support
0	0.99	1.00	1.00	145
1	0.98	1.00	0.99	166
2	1.00	0.93	0.96	41
3	1.00	0.98	0.99	51
accuracy			0.99	403
macro avg	0.99	0.98	0.98	403
weighted avg	0.99	0.99	0.99	403
[[145 0 0 0]				
[0 166 0 0]				
[0 3 38 0]				
[1 0 0 50]]				
For Training(EfficientNetB4)				
	precision	recall	f1-score	support
0	1.00	1.00	1.00	853
1	1.00	1.00	1.00	1983
2	1.00	1.00	1.00	432
3	1.00	1.00	1.00	838
accuracy			1.00	4106
macro avg	1.00	1.00	1.00	4106
weighted avg	1.00	1.00	1.00	4106
[[853 0 0 0]				
[0 1983 0 0]				
[0 0 432 0]				
[0 0 0 838]]				

15 Epochs

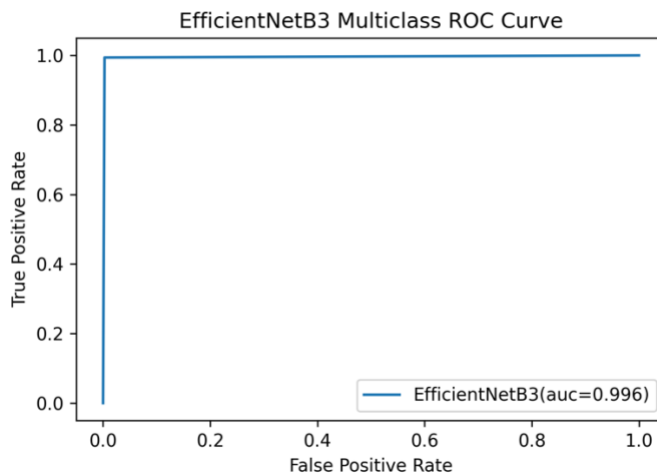
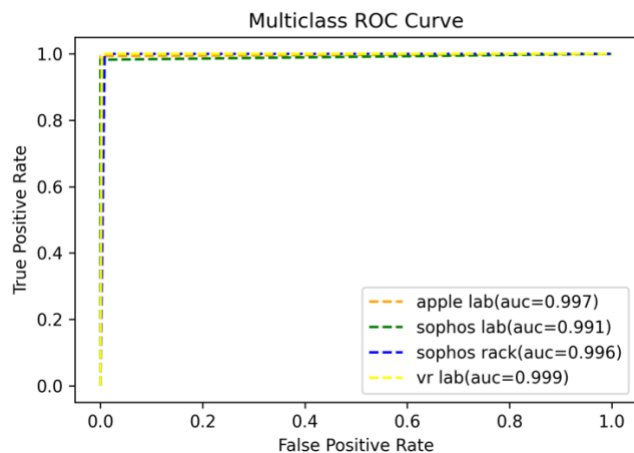
For Training(EfficientNetB3)				
	precision	recall	f1-score	support
0	1.00	1.00	1.00	853
1	1.00	1.00	1.00	1983
2	1.00	1.00	1.00	432
3	1.00	1.00	1.00	838
accuracy			1.00	4106
macro avg	1.00	1.00	1.00	4106
weighted avg	1.00	1.00	1.00	4106
[[853 0 0 0]				
[0 1983 0 0]				
[0 0 432 0]				
[0 0 0 838]]				
For Testing(EfficientNetB3)				
	precision	recall	f1-score	support
0	1.00	1.00	1.00	146
1	0.99	1.00	0.99	167
2	1.00	0.95	0.97	40
3	1.00	1.00	1.00	50
accuracy			1.00	403
macro avg	1.00	0.99	0.99	403
weighted avg	1.00	1.00	0.99	403
[[146 0 0 0]				
[0 167 0 0]				
[0 2 38 0]				
[0 0 0 50]]				

ROC Curve

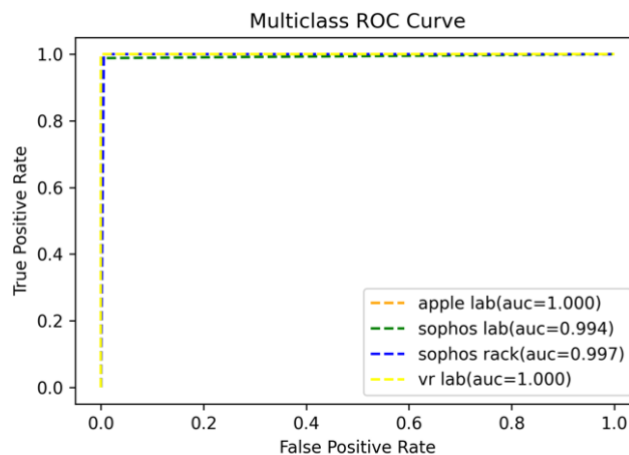
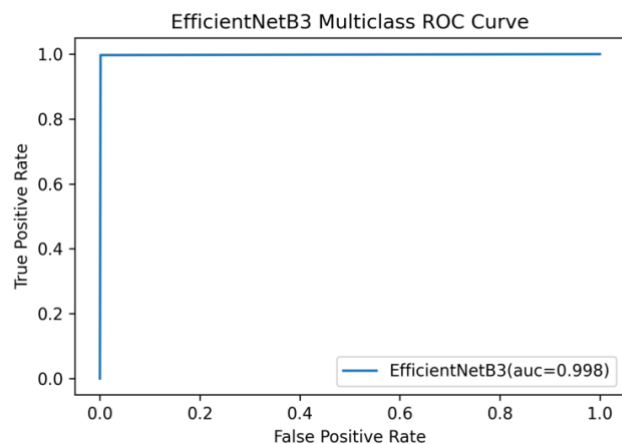
5 Epochs



10 Epochs

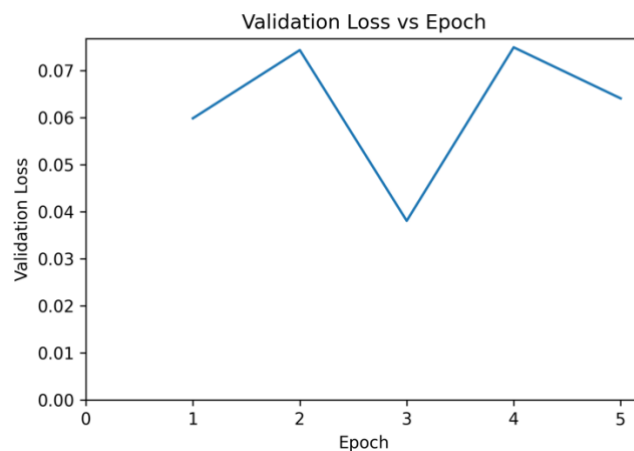
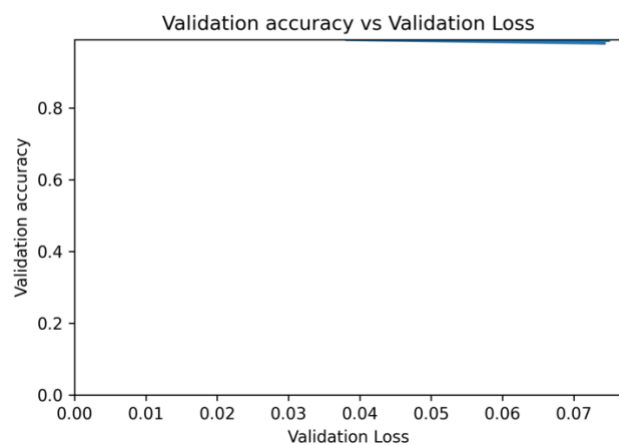
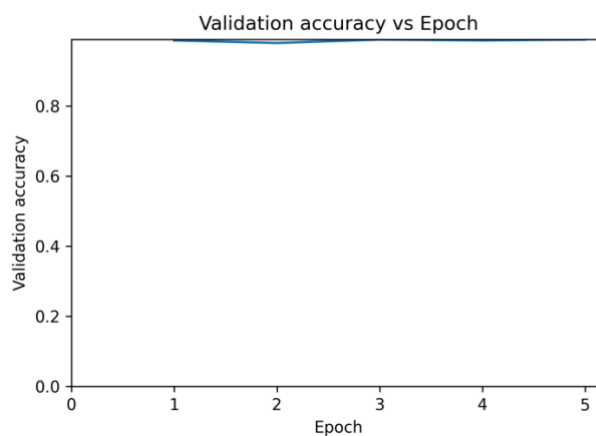
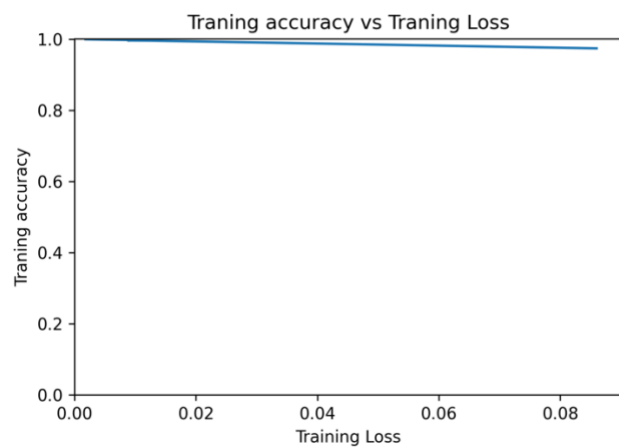
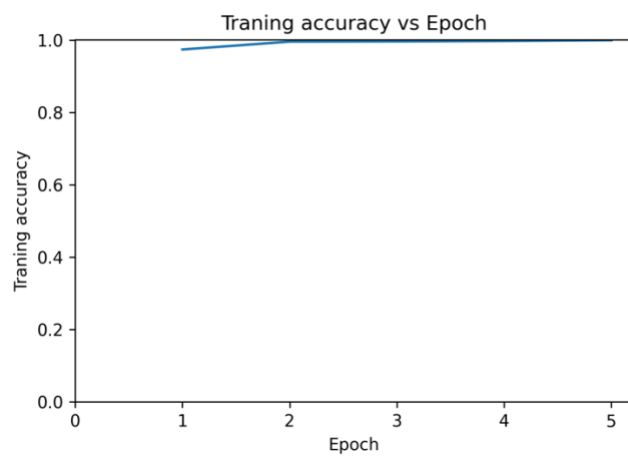
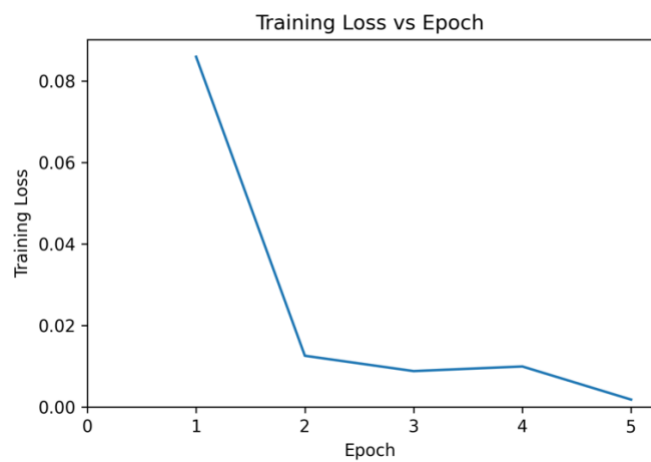


15 Epochs

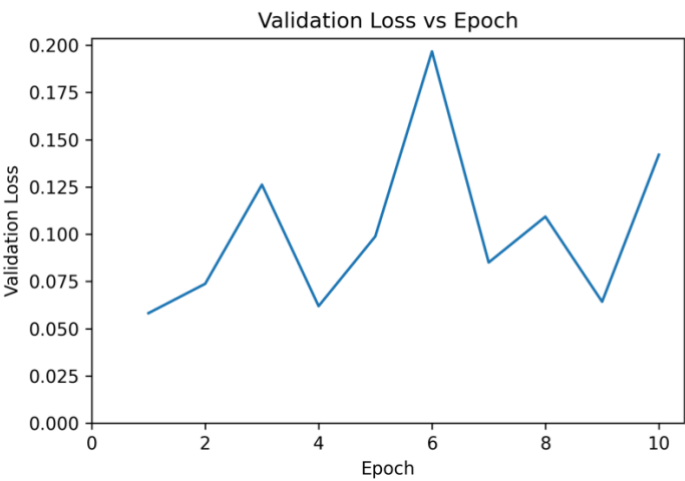
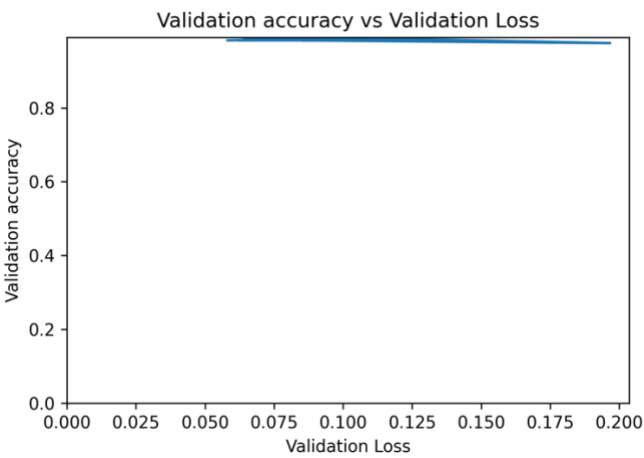
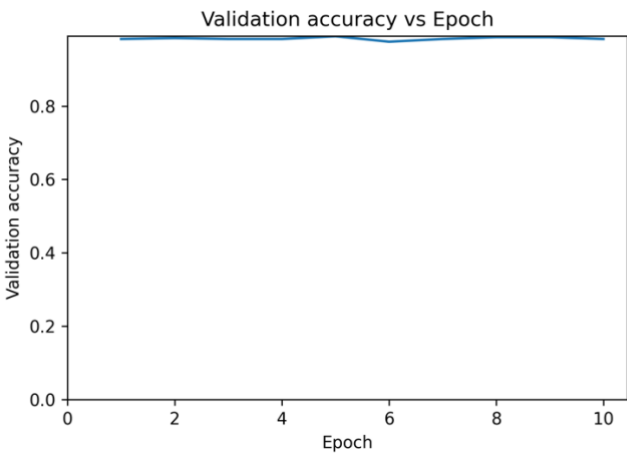
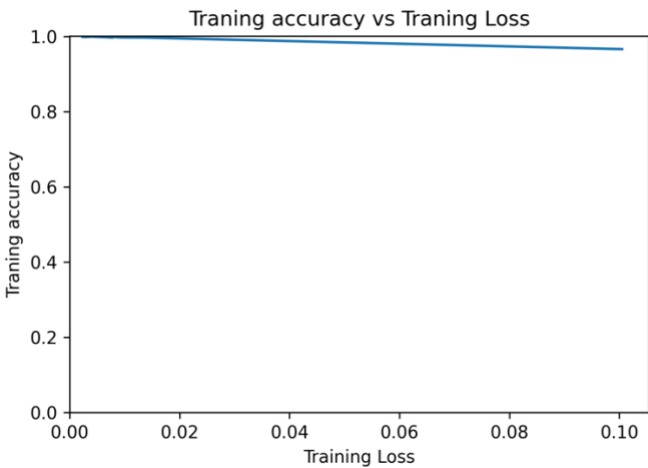
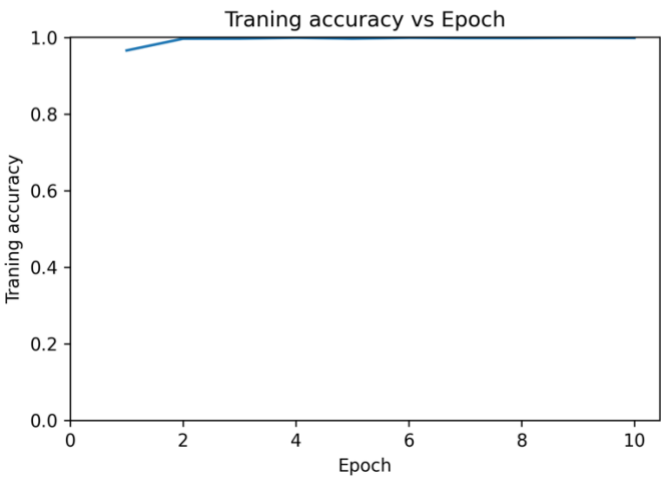
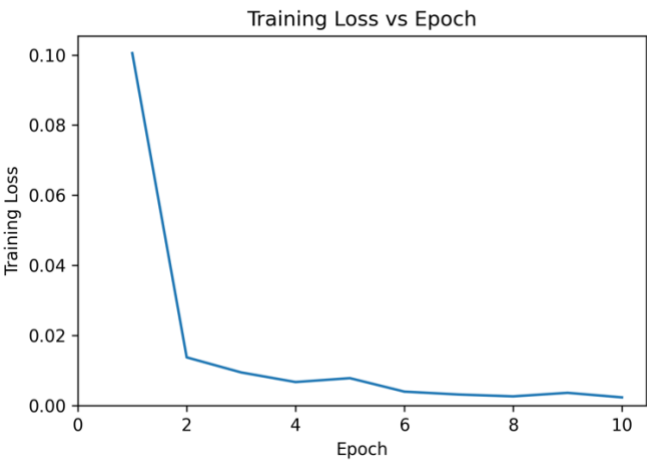


Graphs

5 Epochs



10 Epochs



15 Epochs

