

EfficientNetB1

		5 Epochs	10 Epochs	15 Epochs
Training Accuracy		99.98%	99.98%	99.98%
Testing Accuracy		99.26%	99.75%	99.26%
Macro Avg.	Precision	99.56%	99.85%	99.56%
	Recall	98.17%	99.36%	98.26%
	F1 Score	98.83%	99.60%	98.89%
BFlops		10894944		
Inference Time		0.052 Second	0.052 Second	0.052 Second
Size of Model		27.9 MB		

Classification Report & Confusion Matrix

5 Epochs

For Training(EfficientNetB1)				
	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(EfficientNetB1)				
	precision	recall	f1-score	support
0	1.00	1.00	1.00	146
1	0.98	1.00	0.99	166
2	1.00	0.93	0.96	41
3	1.00	1.00	1.00	50
accuracy			0.99	403
macro avg	1.00	0.98	0.99	403
weighted avg	0.99	0.99	0.99	403
[[146  0  0  0]				
[  0 166  0  0]				
[  0  3 38  0]				
[  0  0  0 50]]				

10 Epochs

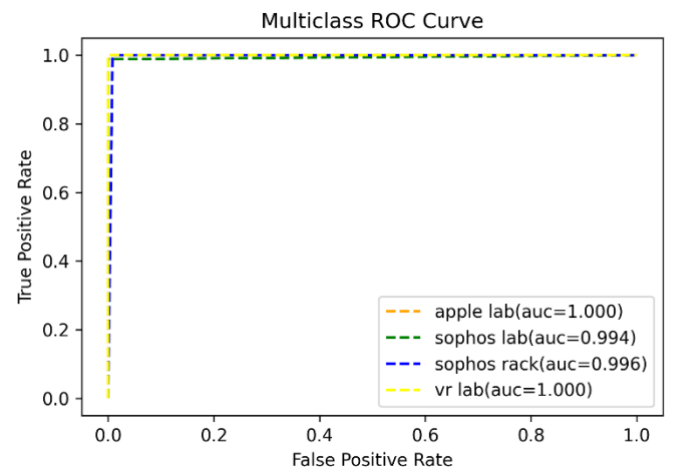
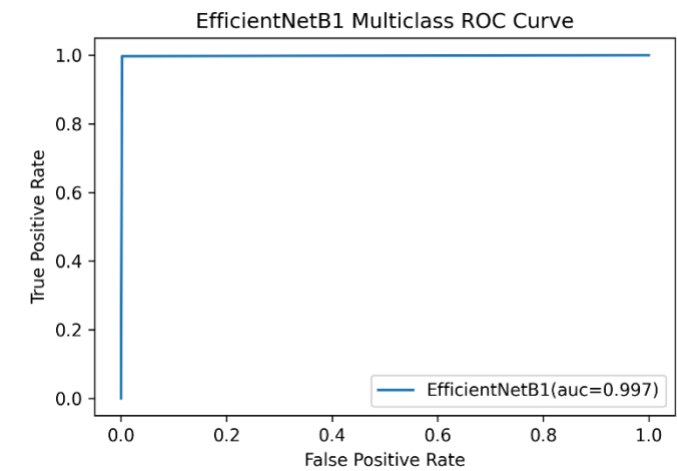
For Training(EfficientNetB1)				
	precision	recall	f1-score	support
0	1.00	1.00	1.00	853
1	1.00	1.00	1.00	1984
2	1.00	1.00	1.00	431
3	1.00	1.00	1.00	838
accuracy			1.00	4106
macro avg	1.00	1.00	1.00	4106
weighted avg	1.00	1.00	1.00	4106
[[ 853  0  0  0]				
[  0 1983  1  0]				
[  0  0 431  0]				
[  0  0  0 838]]				
For Testing(EfficientNetB1)				
	precision	recall	f1-score	support
0	1.00	1.00	1.00	146
1	0.99	1.00	1.00	168
2	1.00	0.97	0.99	39
3	1.00	1.00	1.00	50
accuracy			1.00	403
macro avg	1.00	0.99	1.00	403
weighted avg	1.00	1.00	1.00	403
[[146  0  0  0]				
[  0 168  0  0]				
[  0  1 38  0]				
[  0  0  0 50]]				

15 Epochs

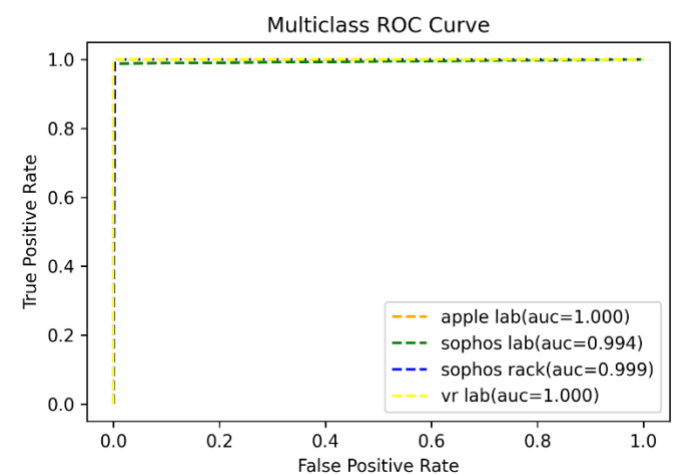
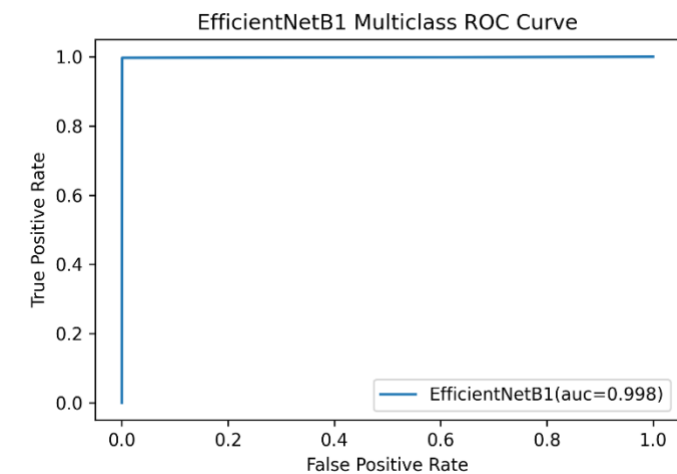
For Training(EfficientNetB1)				
	precision	recall	f1-score	support
0	1.00	1.00	1.00	853
1	1.00	1.00	1.00	1984
2	1.00	1.00	1.00	431
3	1.00	1.00	1.00	838
accuracy			1.00	4106
macro avg	1.00	1.00	1.00	4106
weighted avg	1.00	1.00	1.00	4106
[[ 853  0  0  0]				
[  0 1983  1  0]				
[  0  0 431  0]				
[  0  0  0 838]]				
For Testing(EfficientNetB1)				
	precision	recall	f1-score	support
0	1.00	1.00	1.00	146
1	0.98	1.00	0.99	166
2	1.00	0.95	0.97	40
3	1.00	0.98	0.99	51
accuracy			0.99	403
macro avg	1.00	0.98	0.99	403
weighted avg	0.99	0.99	0.99	403
[[146  0  0  0]				
[  0 166  0  0]				
[  0  2 38  0]				
[  0  1  0 50]]				

# ROC Curve

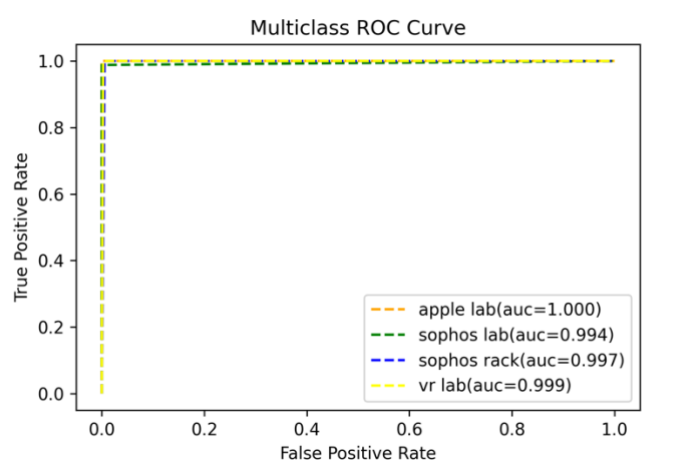
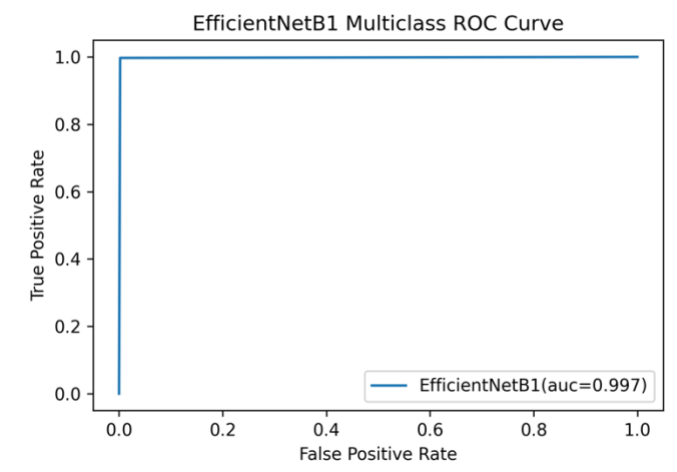
## 5 Epochs



## 10 Epochs

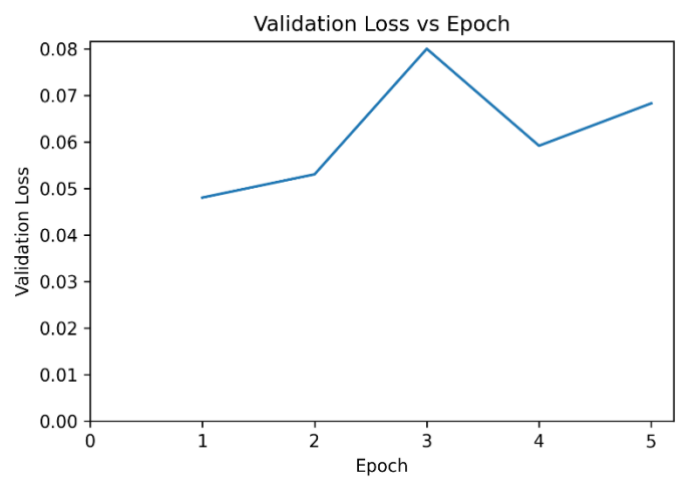
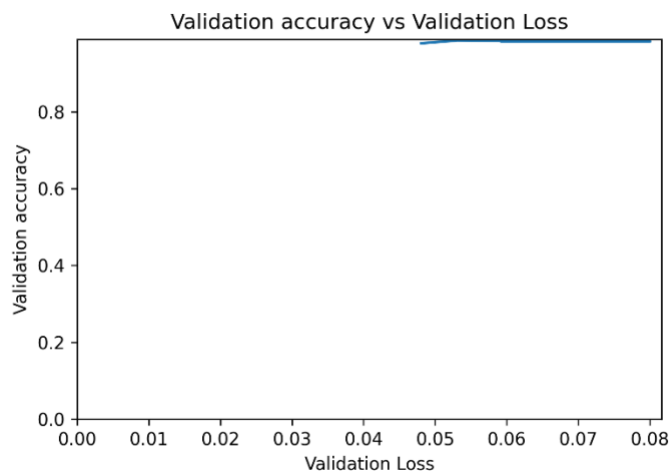
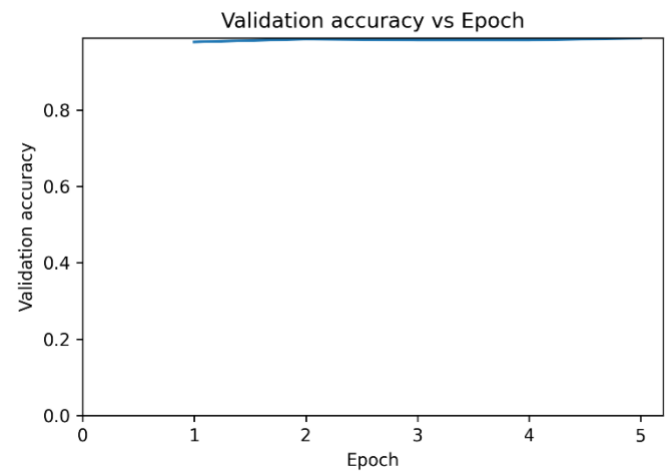
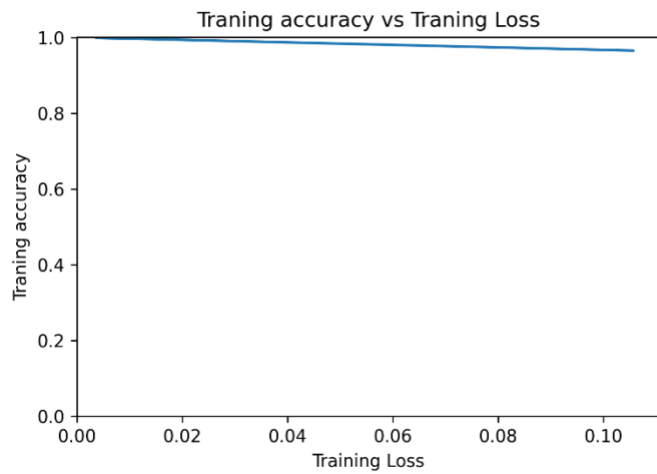
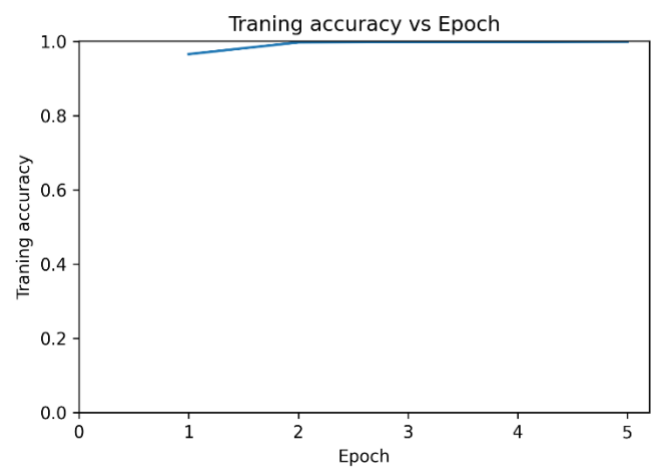
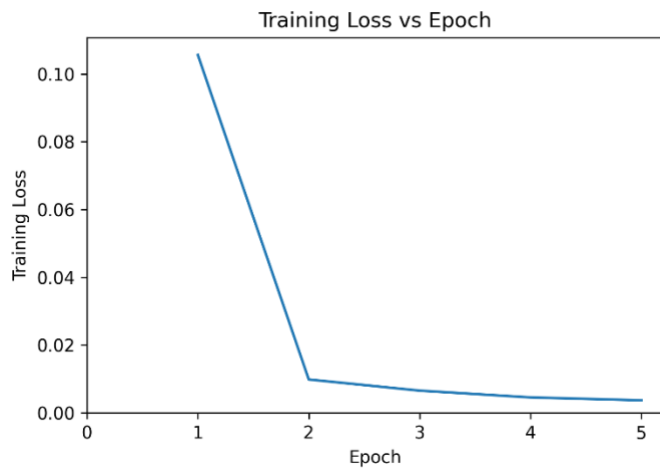


## 15 Epochs

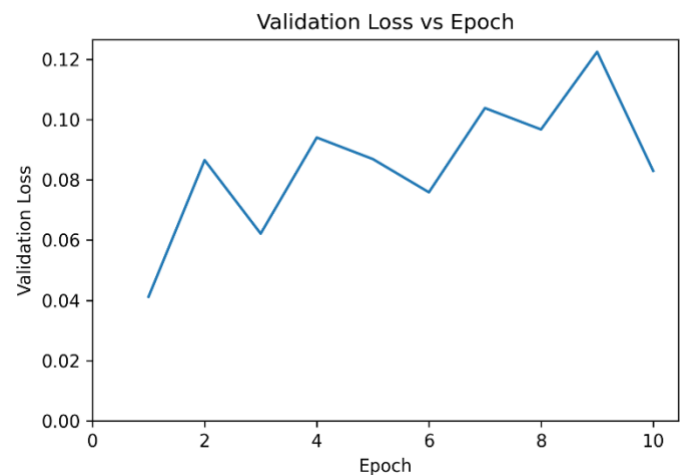
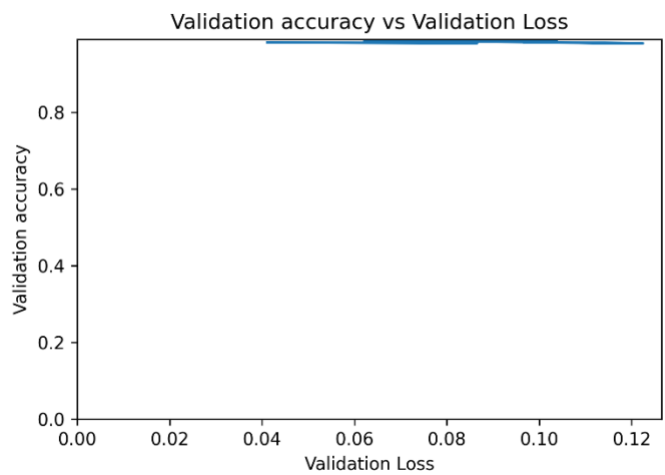
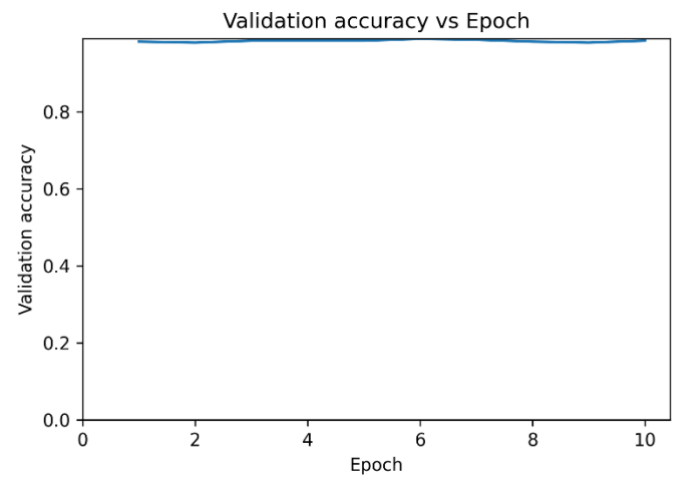
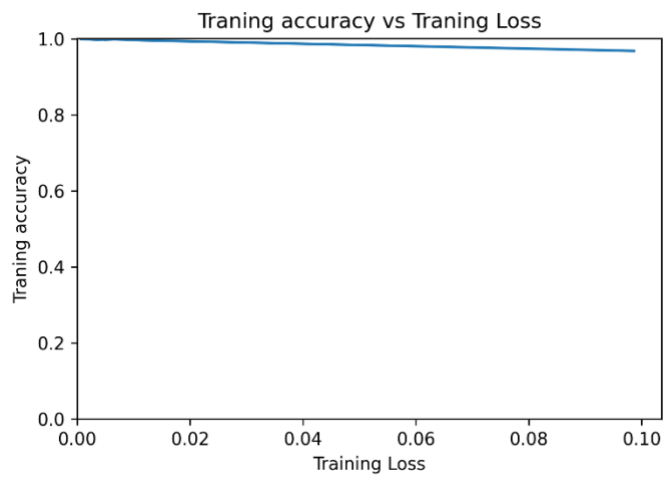
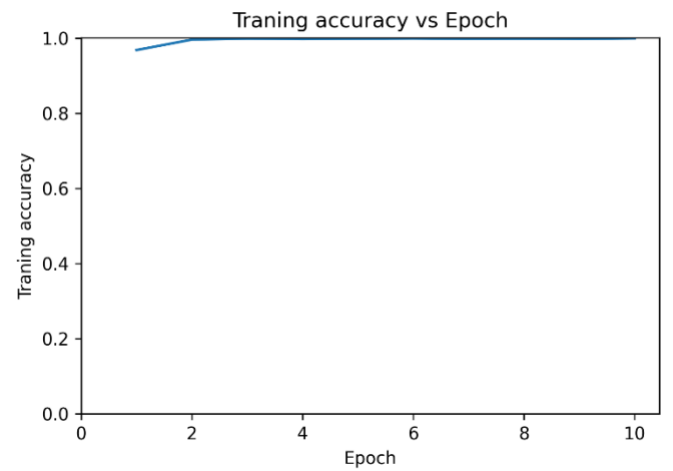
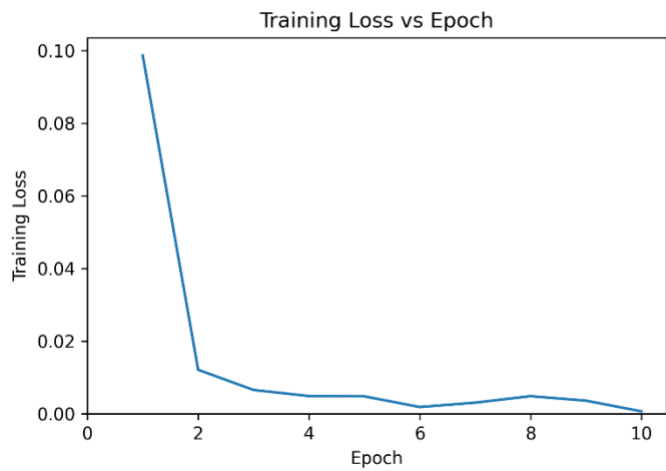


## Graphs

### 5 Epochs



## 10 Epochs



# 15 Epochs

