

MobileNet

		5 Epochs	10 Epochs	15 Epochs
Training Accuracy		99.93%	99.95%	100.0%
Testing Accuracy		100.0%	99.75%	99.00%
Macro Avg.	Precision	100.0%	99.85%	99.40%
	Recall	100.0%	99.82%	97.61%
	F1 Score	100.0%	99.84%	98.45%
BFlops		3385824		
Inference Time		0.037 Second	0.039 Second	0.042 Second
Size of Model		14.9 MB		

Classification Report & Confusion Matrix

5 Epochs

For Training					
	precision	recall	f1-score	support	
0	1.00	1.00	1.00	854	
1	1.00	1.00	1.00	1985	
2	1.00	1.00	1.00	430	
3	1.00	1.00	1.00	837	
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 1]					
[ 0 1983 2 0]					
[ 0 0 430 0]					
[ 0 0 0 837]]					
For Testing					
	precision	recall	f1-score	support	
0	1.00	1.00	1.00	146	
1	1.00	1.00	1.00	169	
2	1.00	1.00	1.00	38	
3	1.00	1.00	1.00	50	
accuracy			1.00	403	
macro avg	1.00	1.00	1.00	403	
weighted avg	1.00	1.00	1.00	403	
[[146 0 0 0]					
[ 0 169 0 0]					
[ 0 0 38 0]					
[ 0 0 0 50]]					

10 Epochs

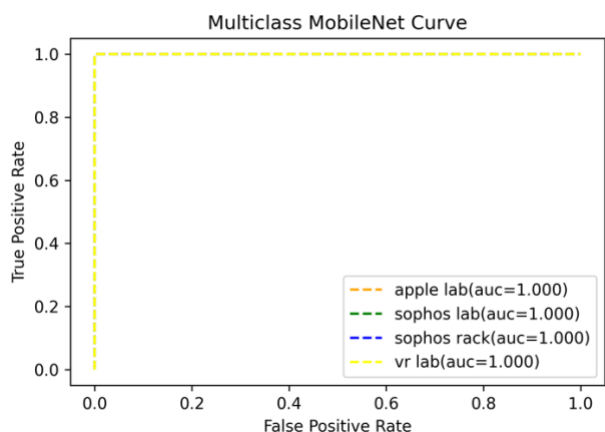
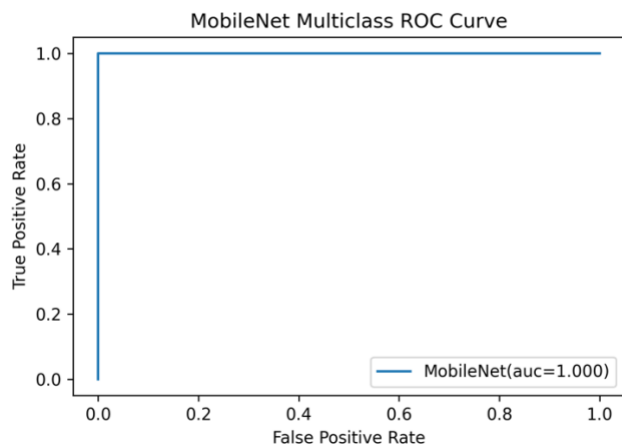
For Training					
	precision	recall	f1-score	support	
0	1.00	1.00	1.00	855	
1	1.00	1.00	1.00	1983	
2	1.00	1.00	1.00	432	
3	1.00	1.00	1.00	836	
accuracy			1.00	4106	
macro avg	1.00	1.00	1.00	4106	
weighted avg	1.00	1.00	1.00	4106	
[[ 853 0 0 2]					
[ 0 1983 0 0]					
[ 0 0 432 0]					
[ 0 0 0 836]]					
For Testing					
	precision	recall	f1-score	support	
0	1.00	0.99	1.00	147	
1	0.99	1.00	1.00	168	
2	1.00	1.00	1.00	38	
3	1.00	1.00	1.00	50	
accuracy			1.00	403	
macro avg	1.00	1.00	1.00	403	
weighted avg	1.00	1.00	1.00	403	
[[146 1 0 0]					
[ 0 168 0 0]					
[ 0 0 38 0]					
[ 0 0 0 50]]					

15 Epochs

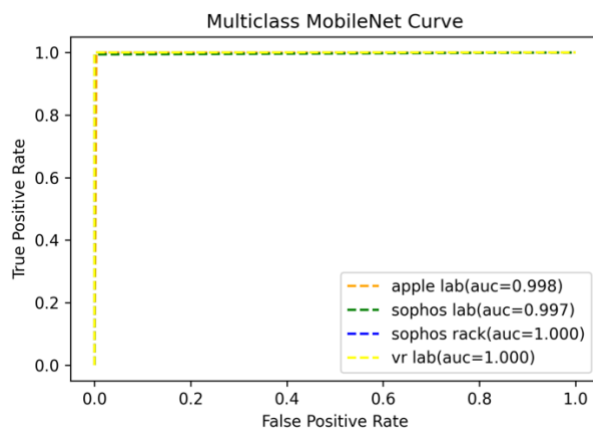
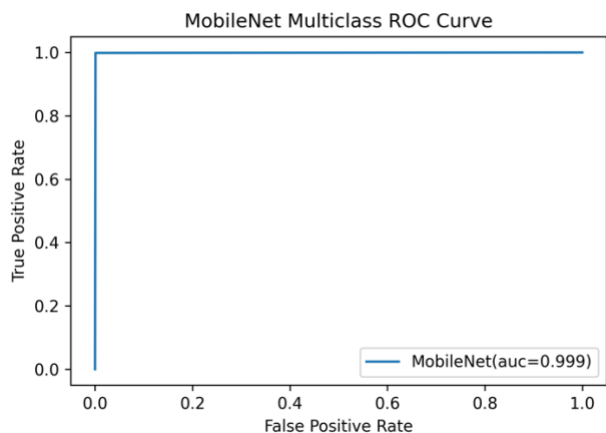
For Training					
	precision	recall	f1-score	support	
0	1.00	1.00	1.00	853	
1	1.00	1.00	1.00	1983	
2	1.00	1.00	1.00	432	
3	1.00	1.00	1.00	838	
accuracy			1.00	4106	
macro avg	1.00	1.00	1.00	4106	
weighted avg	1.00	1.00	1.00	4106	
[[ 853 0 0 0]					
[ 0 1983 0 0]					
[ 0 0 432 0]					
[ 0 0 0 838]]					
For Testing					
	precision	recall	f1-score	support	
0	1.00	1.00	1.00	146	
1	0.98	1.00	0.99	165	
2	1.00	0.90	0.95	42	
3	1.00	1.00	1.00	50	
accuracy			0.99	403	
macro avg	0.99	0.98	0.98	403	
weighted avg	0.99	0.99	0.99	403	
[[146 0 0 0]					
[ 0 165 0 0]					
[ 0 4 38 0]					
[ 0 0 0 50]]					

# ROC Curve

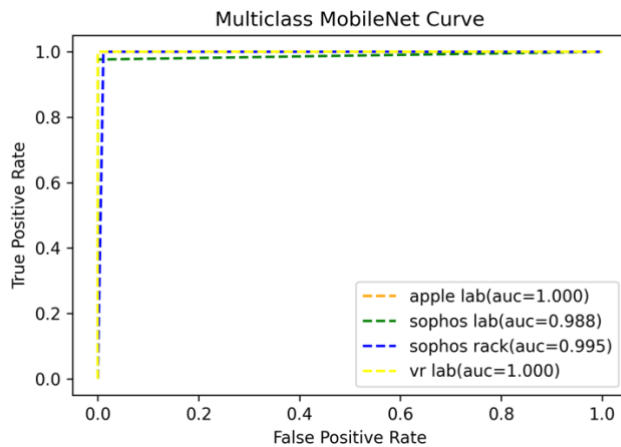
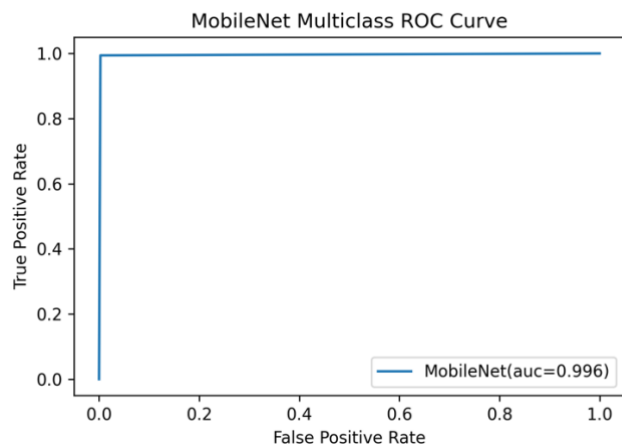
## 5 Epochs



## 10 Epochs

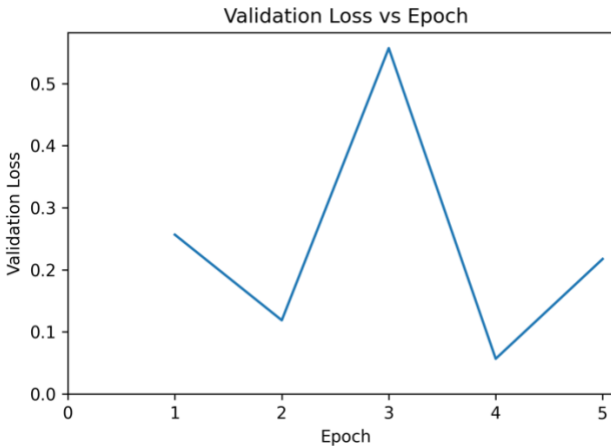
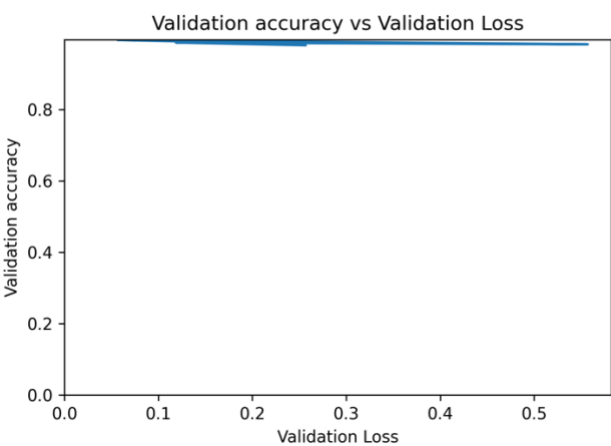
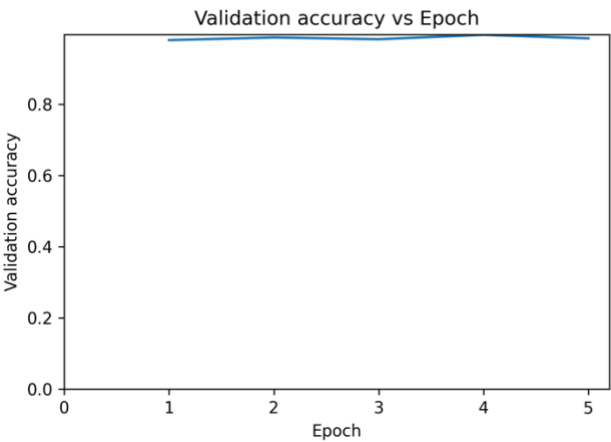
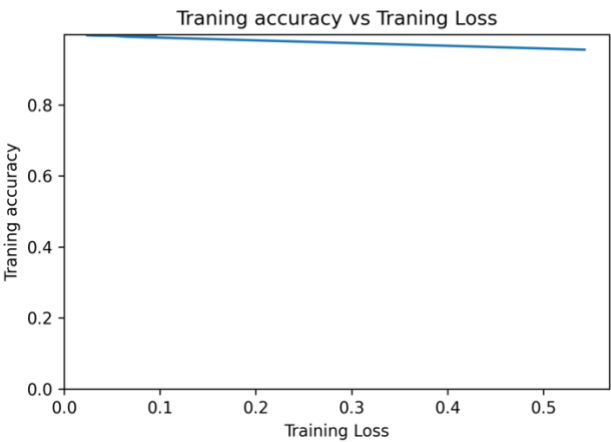
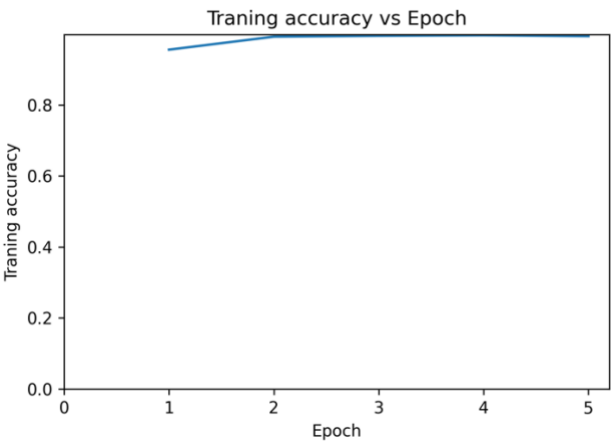
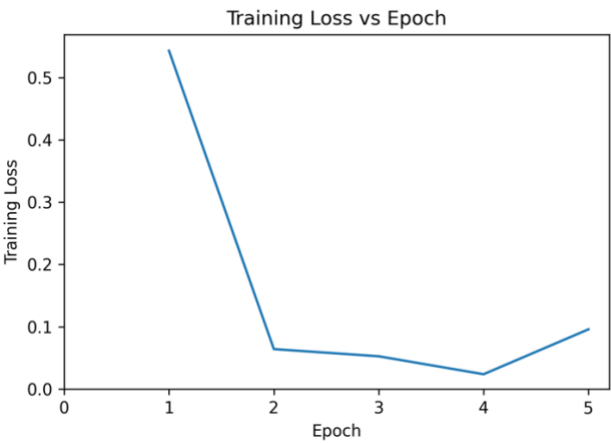


## 15 Epochs

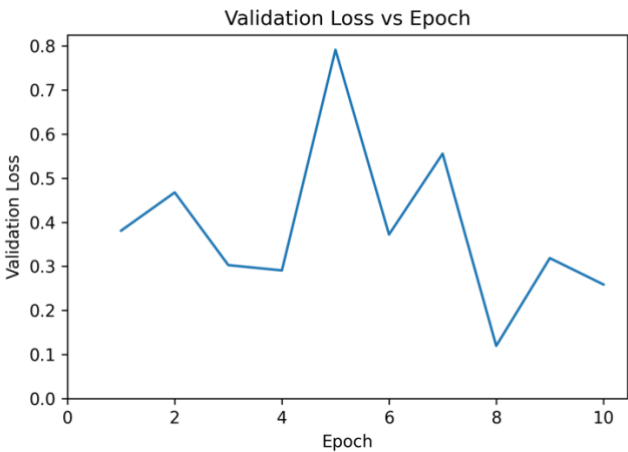
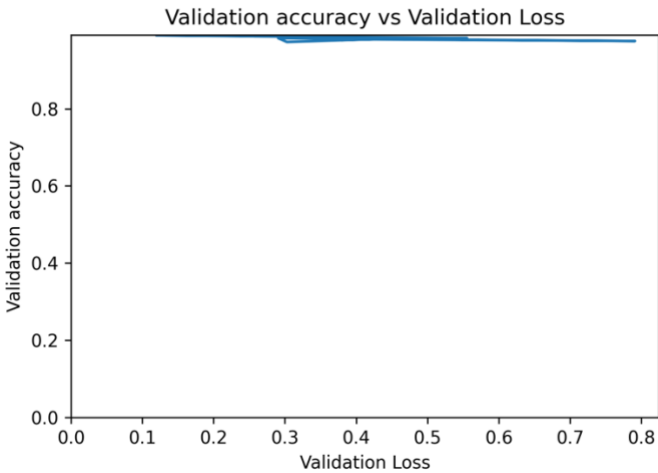
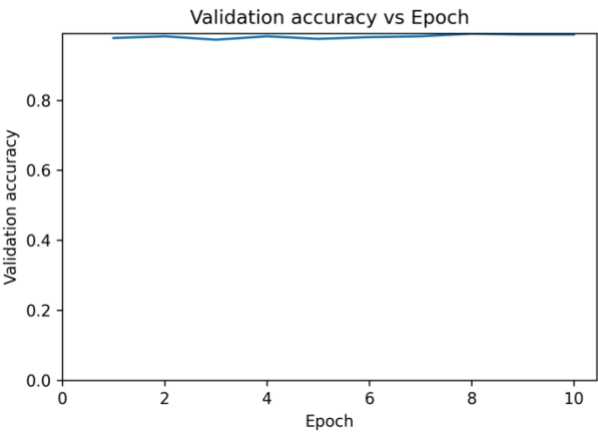
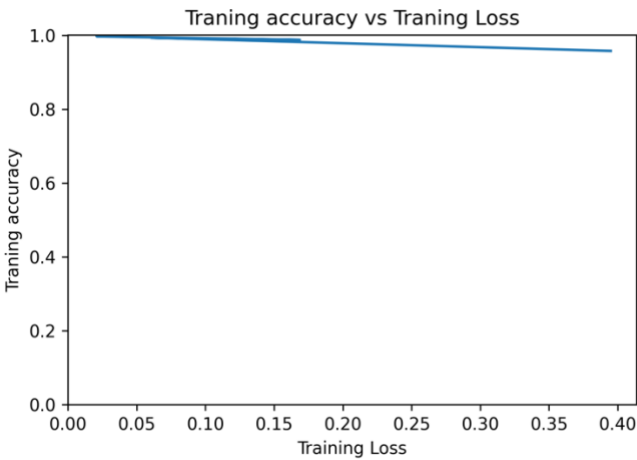
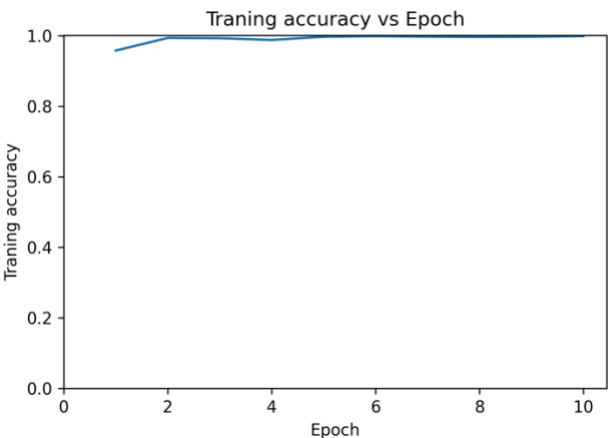
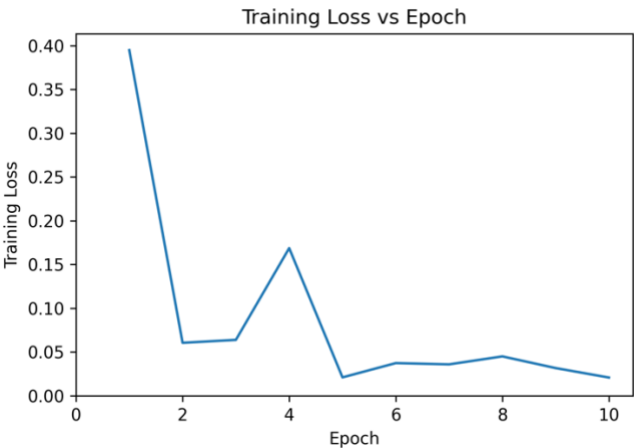


Graphs

5 Epochs



# 10 Epochs



# 15 Epochs

