

MobileNet_V2

		5 Epochs	10 Epochs	15 Epochs
Training Accuracy		99.58%	98.98%	98.68%
Testing Accuracy		98.51%	99.50%	97.77%
Macro Avg.	Precision	98.76%	99.68%	97.96%
	Recall	97.67%	99.68%	98.55%
	F1 Score	98.17%	99.68%	98.21%
BFlops		2440697		
Inference Time		0.041 Second	0.042 Second	0.039 Second
Size of Model		11.9 MB		

Classification Report & Confusion Matrix

5 Epochs

For Training				
	precision	recall	f1-score	support
0	1.00	0.98	0.99	867
1	1.00	1.00	1.00	1979
2	1.00	1.00	1.00	433
3	0.99	1.00	0.99	827
accuracy			1.00	4106
macro avg	1.00	0.99	0.99	4106
weighted avg	1.00	1.00	1.00	4106
[[853 2 0 12]				
[0 1979 0 0]				
[0 2 431 0]				
[0 0 1 826]]				
For Testing				
	precision	recall	f1-score	support
0	1.00	0.98	0.99	149
1	0.97	1.00	0.98	164
2	1.00	0.93	0.96	41
3	0.98	1.00	0.99	49
accuracy			0.99	403
macro avg	0.99	0.98	0.98	403
weighted avg	0.99	0.99	0.99	403
[[146 2 0 1]				
[0 164 0 0]				
[0 3 38 0]				
[0 0 0 49]]				

10 Epochs

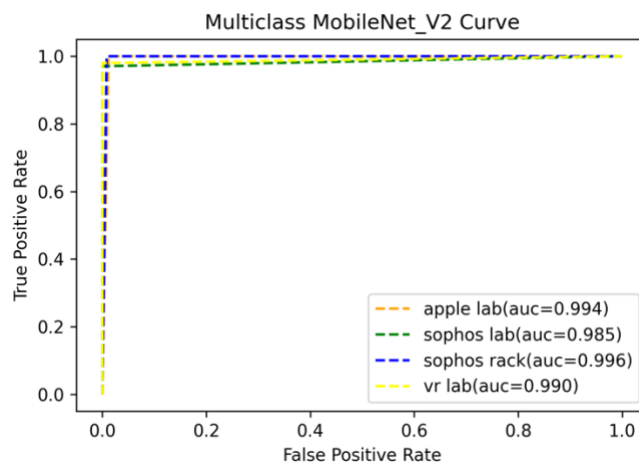
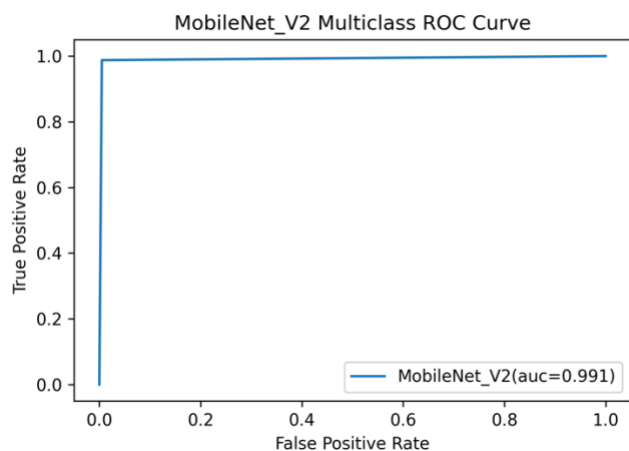
For Training				
	precision	recall	f1-score	support
0	1.00	0.96	0.98	889
1	1.00	1.00	1.00	1985
2	1.00	1.00	1.00	432
3	0.95	1.00	0.98	800
accuracy			0.99	4106
macro avg	0.99	0.99	0.99	4106
weighted avg	0.99	0.99	0.99	4106
[[850 0 0 39]				
[2 1983 0 0]				
[0 0 432 0]				
[1 0 0 799]]				
For Testing				
	precision	recall	f1-score	support
0	0.99	0.99	0.99	146
1	0.99	0.99	0.99	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
[[145 1 0 0]				
[1 168 0 0]				
[0 0 38 0]				
[0 0 0 50]]				

15 Epochs

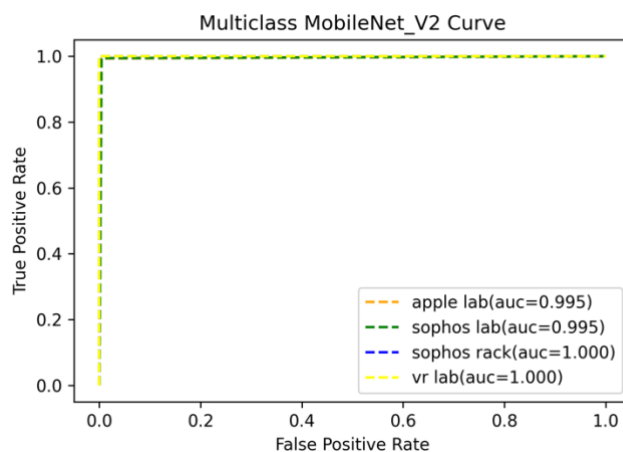
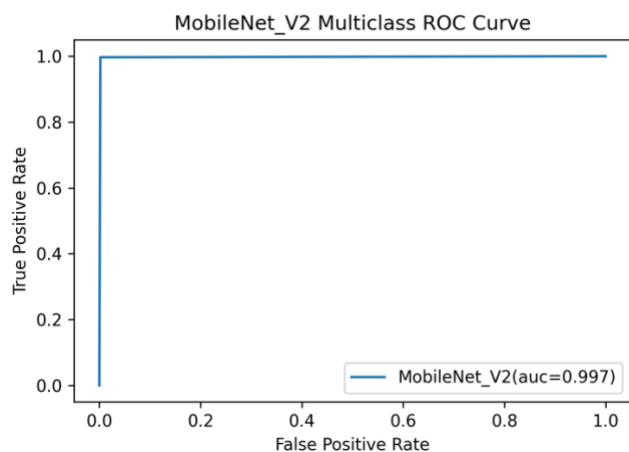
For Training				
	precision	recall	f1-score	support
0	1.00	0.94	0.97	907
1	1.00	1.00	1.00	1977
2	1.00	1.00	1.00	431
3	0.94	1.00	0.97	791
accuracy			0.99	4106
macro avg	0.98	0.99	0.98	4106
weighted avg	0.99	0.99	0.99	4106
[[853 6 1 47]				
[0 1977 0 0]				
[0 0 431 0]				
[0 0 0 791]]				
For Testing				
	precision	recall	f1-score	support
0	1.00	0.94	0.97	155
1	0.96	1.00	0.98	162
2	1.00	1.00	1.00	38
3	0.96	1.00	0.98	48
accuracy			0.98	403
macro avg	0.98	0.99	0.98	403
weighted avg	0.98	0.98	0.98	403
[[146 7 0 2]				
[0 162 0 0]				
[0 0 38 0]				
[0 0 0 48]]				

ROC Curve

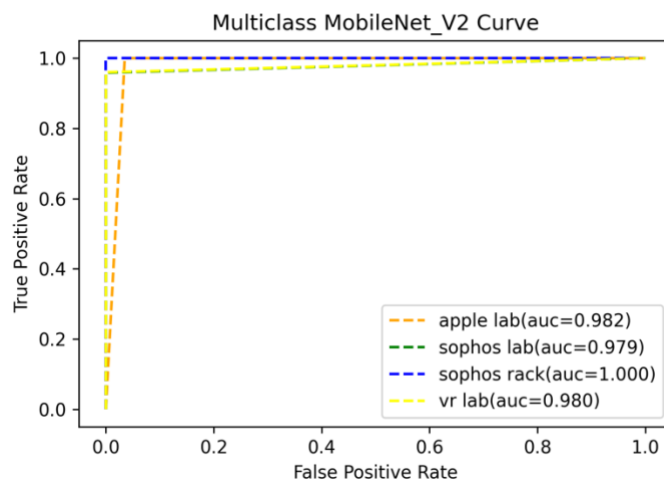
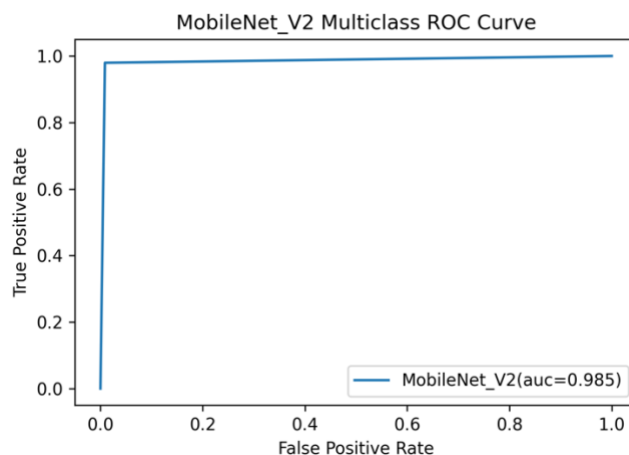
5 Epochs



10 Epochs

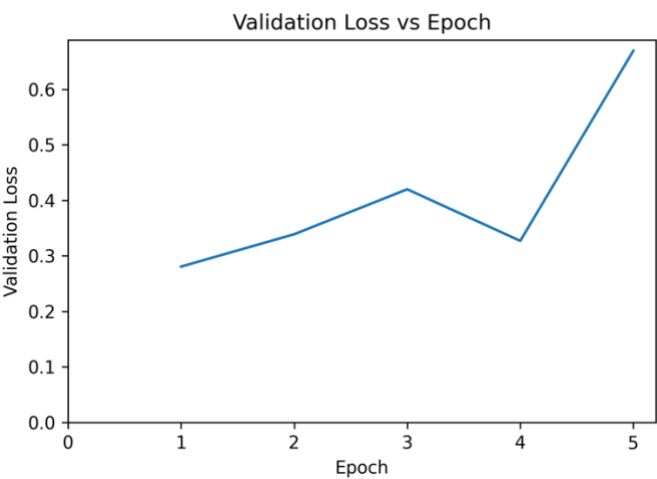
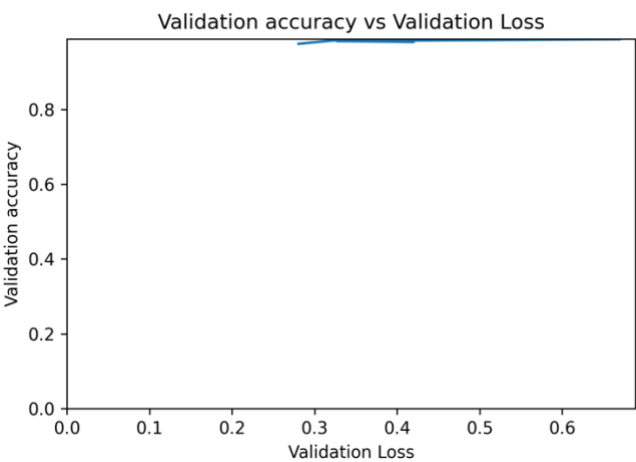
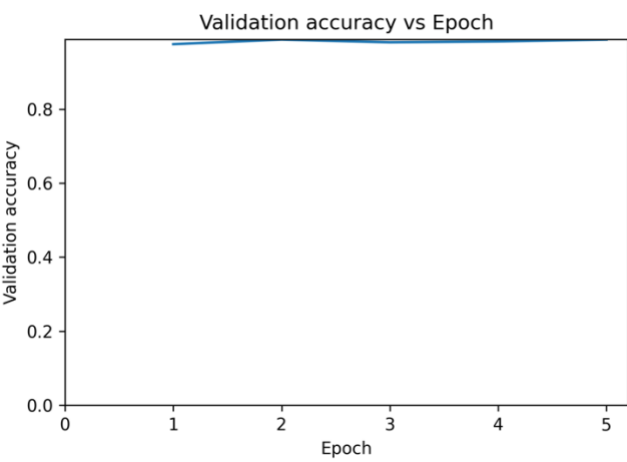
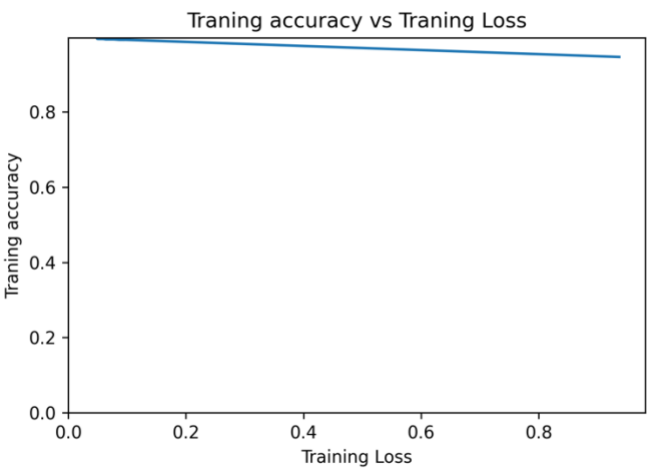
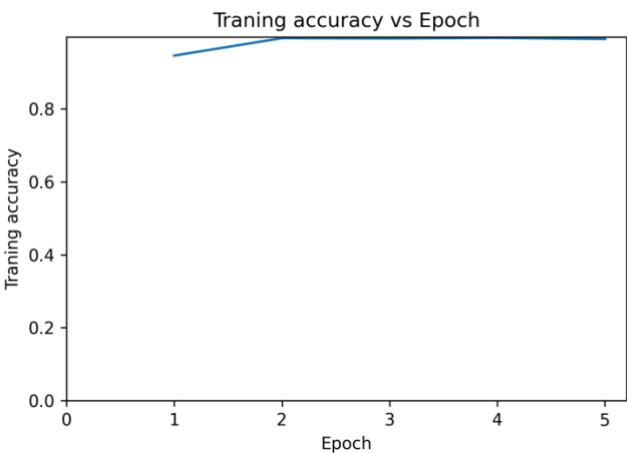
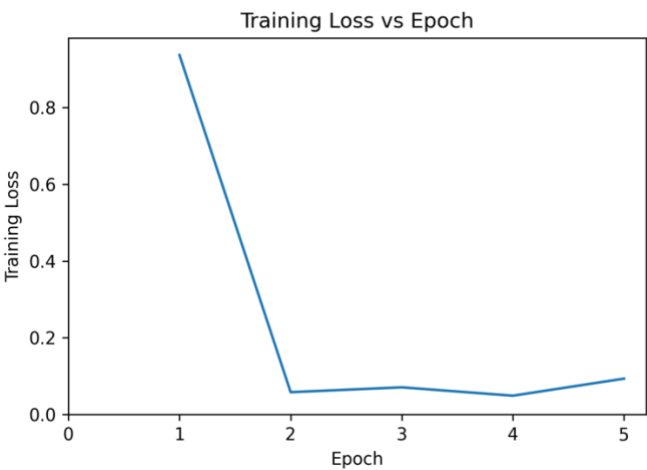


15 Epochs

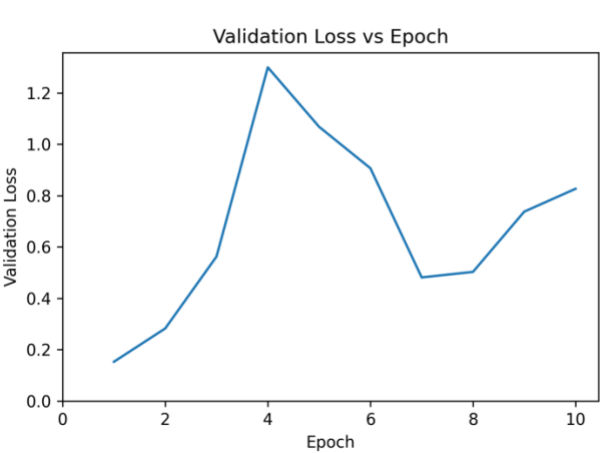
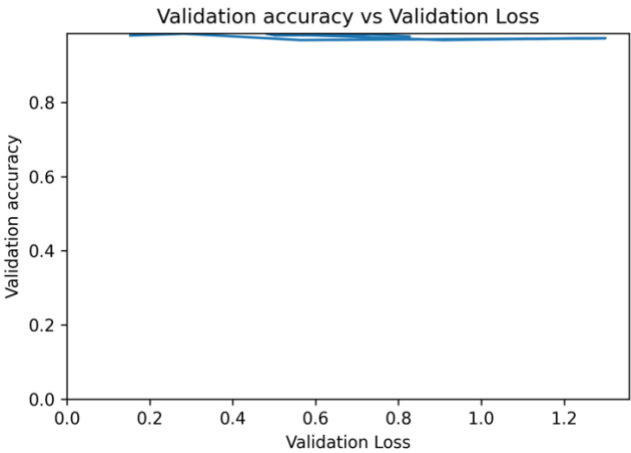
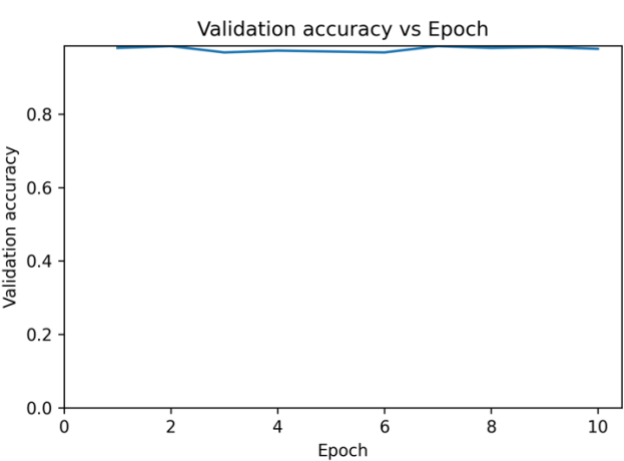
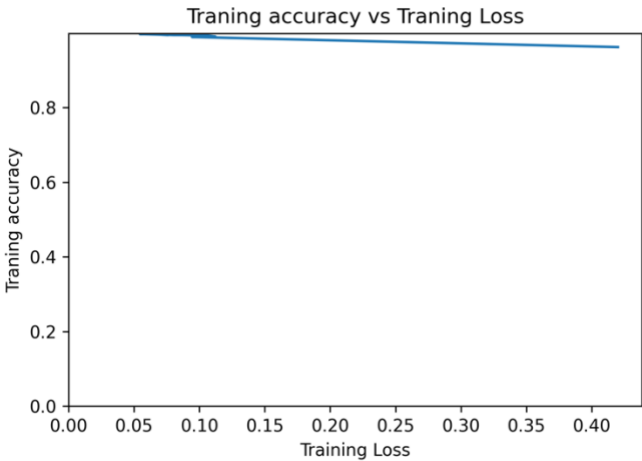
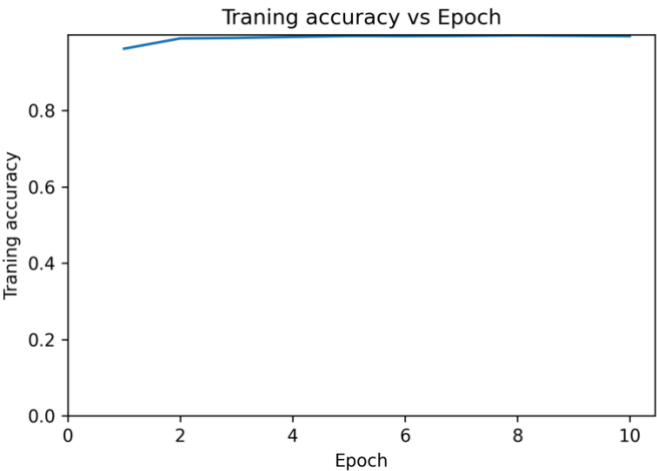
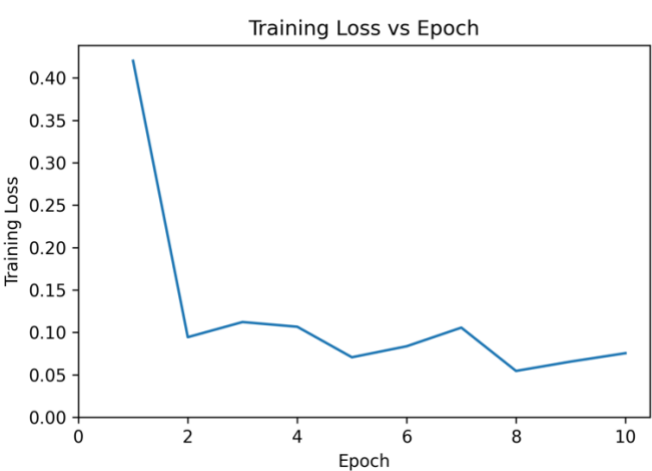


Graphs

5 Epochs



10 Epochs



15 Epochs

