

InceptionV3

		5 Epochs	10 Epochs	15 Epochs
Training Accuracy		99.90%	99.83%	99.96%
Testing Accuracy		98.76%	99.50%	100%
Macro Avg.	Precision	99.26%	99.70%	100%
	Recall	97.45%	98.75%	100%
	F1 Score	98.29%	98.21%	100%
BFlops		21956035		
Inference Time		0.061 Second	0.057 Second	0.058 Second
Size of Model		85.6 MB		

Classification Report & Confusion Matrix

5 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
[[ 852 1 0 2] [ 1 1982 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	0.97	1.00	0.98	164
2	1.00	0.90	0.95	42
3	1.00	1.00	1.00	50
accuracy			0.99	403
macro avg	0.99	0.97	0.98	403
weighted avg	0.99	0.99	0.99	403
[[146 1 0 0] [ 0 164 0 0] [ 0 4 38 0] [ 0 0 0 50]]				

10 Epochs

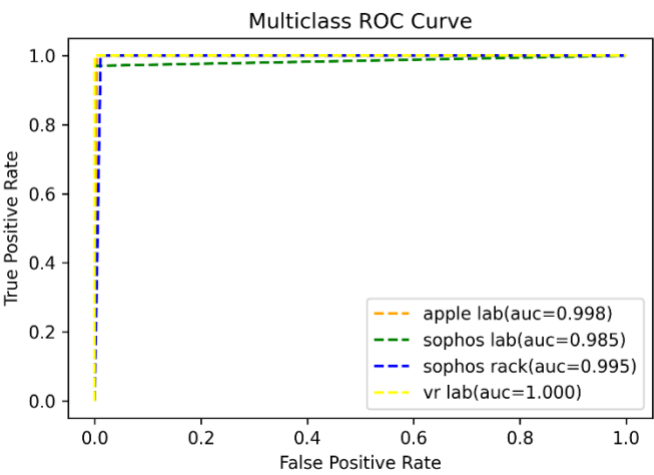
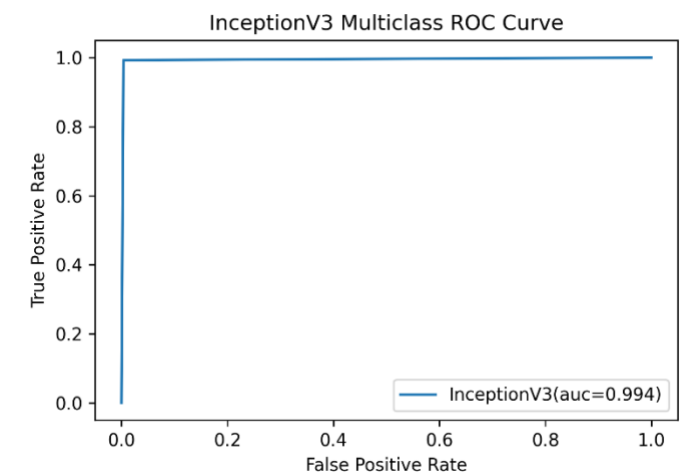
For Training				
	precision	recall	f1-score	support
0	1.00	1.00	1.00	855
1	1.00	1.00	1.00	1987
2	1.00	1.00	1.00	431
3	0.99	1.00	1.00	833
accuracy			1.00	4106
macro avg	1.00	1.00	1.00	4106
weighted avg	1.00	1.00	1.00	4106
[[ 852 0 0 3] [ 1 1983 1 2] [ 0 0 431 0] [ 0 0 0 833]]				
For Testing				
	precision	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]]				

15 Epochs

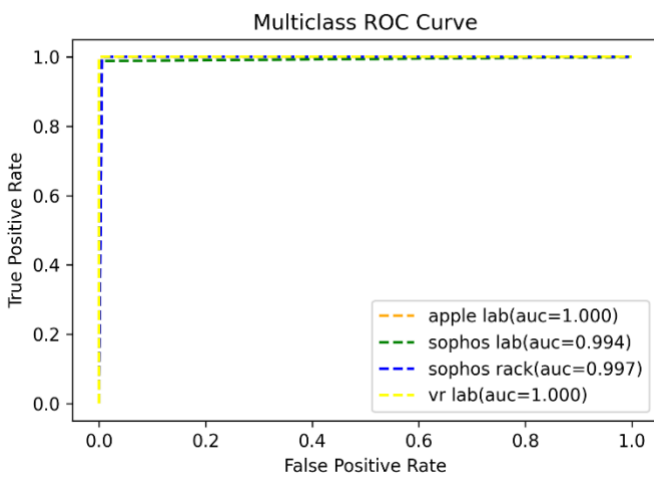
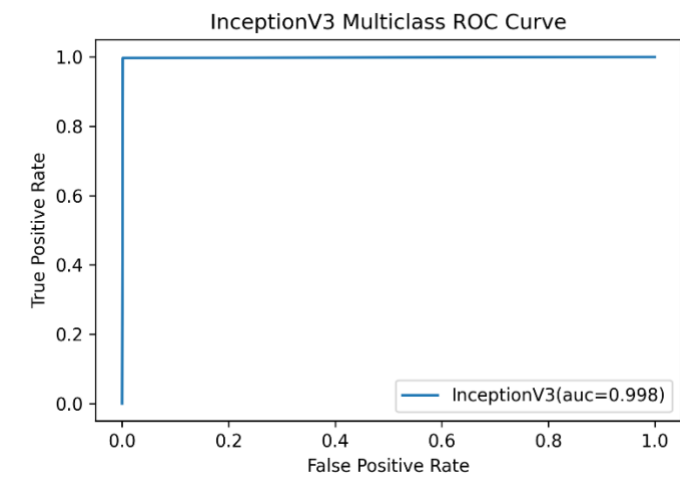
For Training				
	precision	recall	f1-score	support
0	1.00	1.00	1.00	854
1	1.00	1.00	1.00	1981
2	1.00	1.00	1.00	432
3	1.00	1.00	1.00	839
accuracy			1.00	4106
macro avg	1.00	1.00	1.00	4106
weighted avg	1.00	1.00	1.00	4106
[[ 853 1 0 0] [ 0 1981 0 0] [ 0 0 432 0] [ 0 1 0 838]]				
For Testing				
	precision	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]]				

# ROC Curve

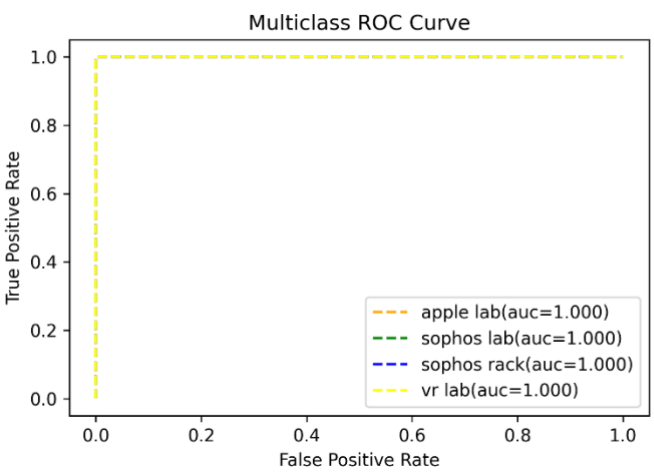
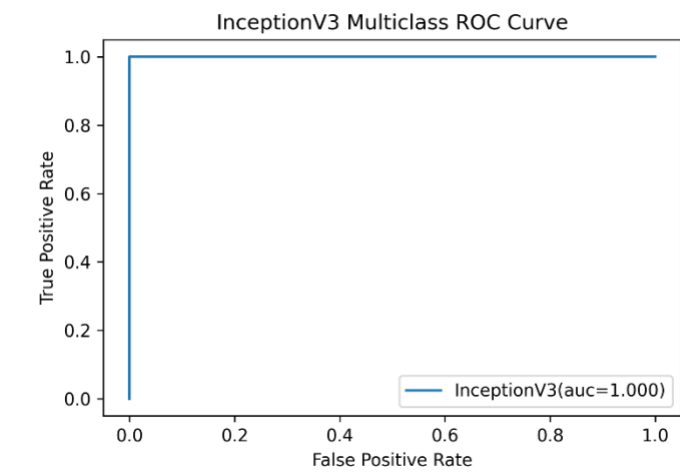
## 5 Epochs



## 10 Epochs

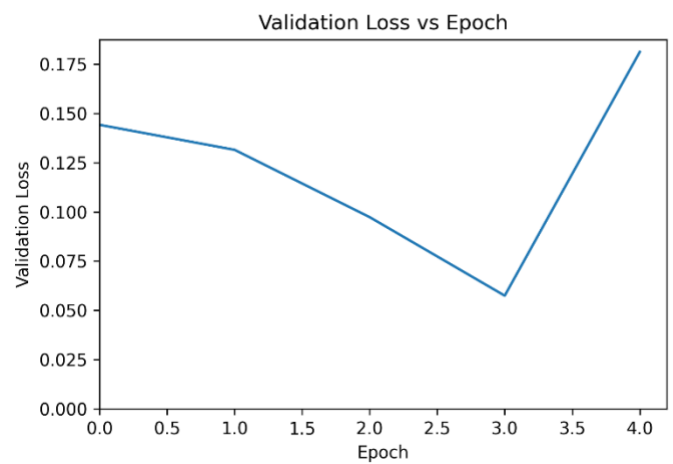
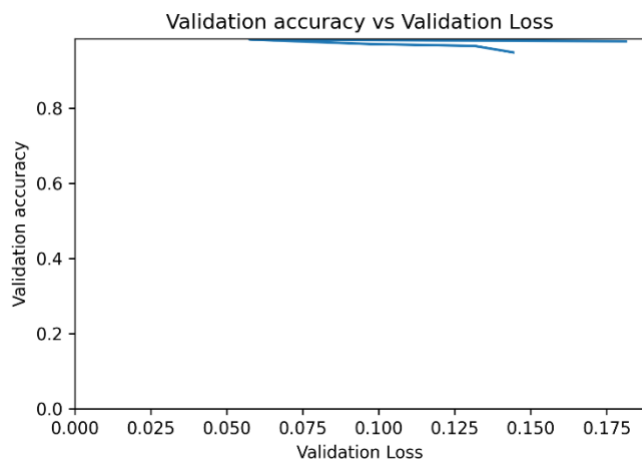
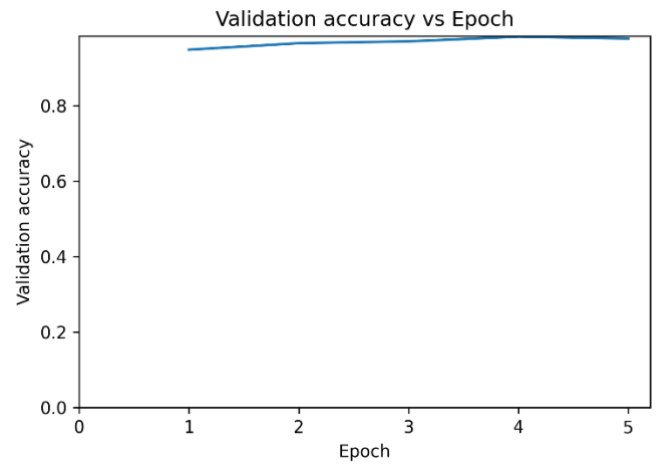
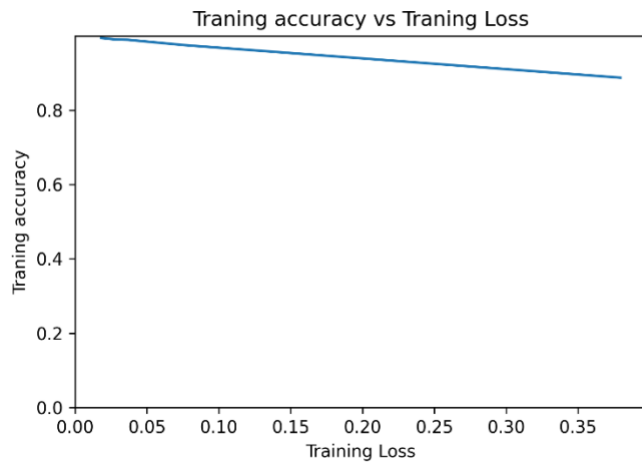
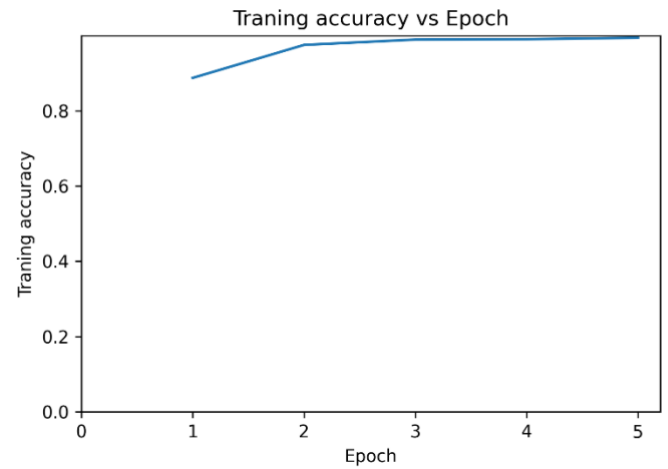
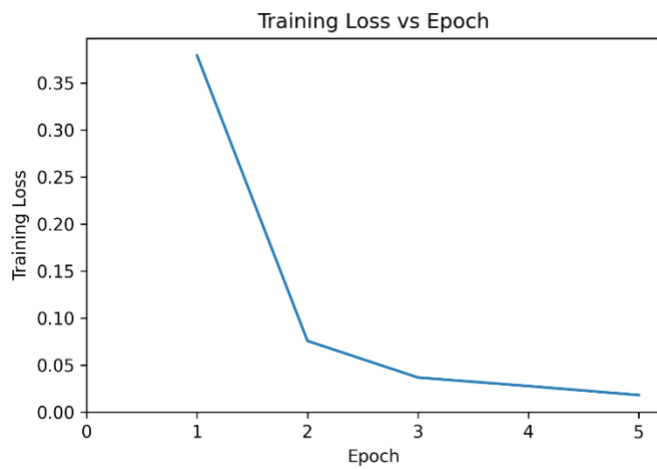


## 15 Epochs

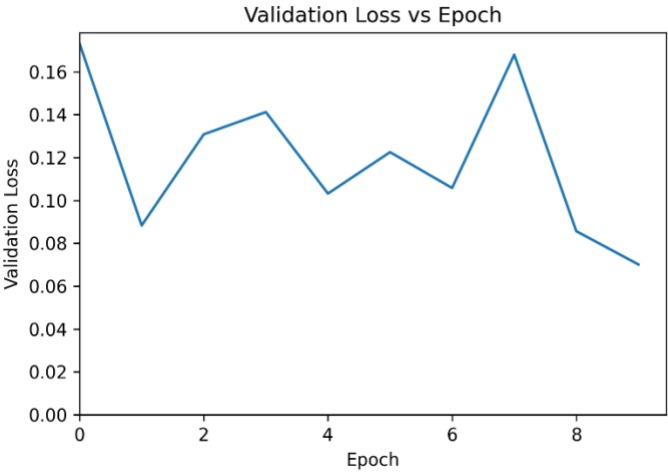
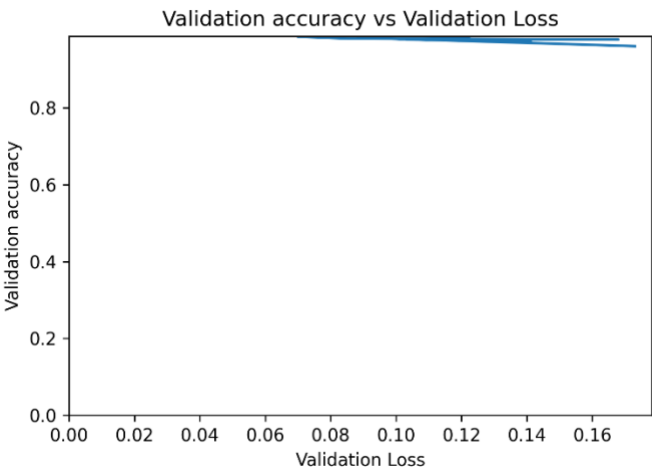
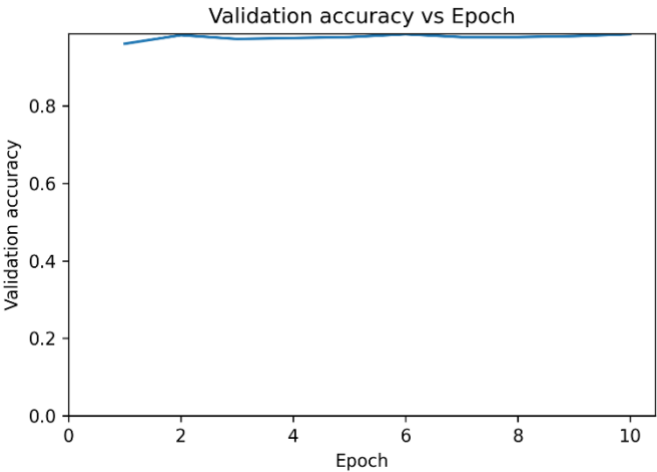
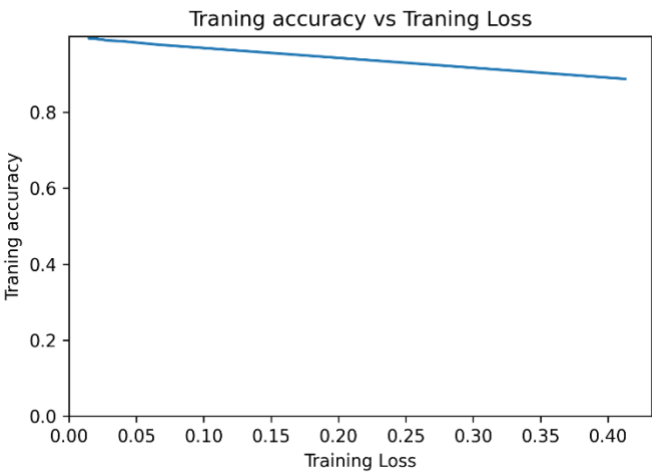
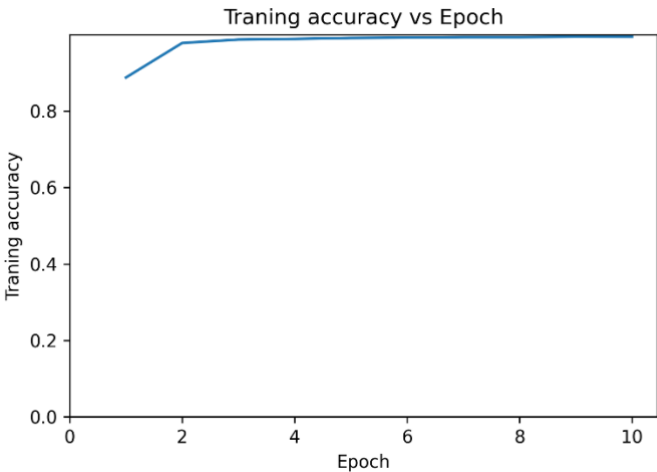
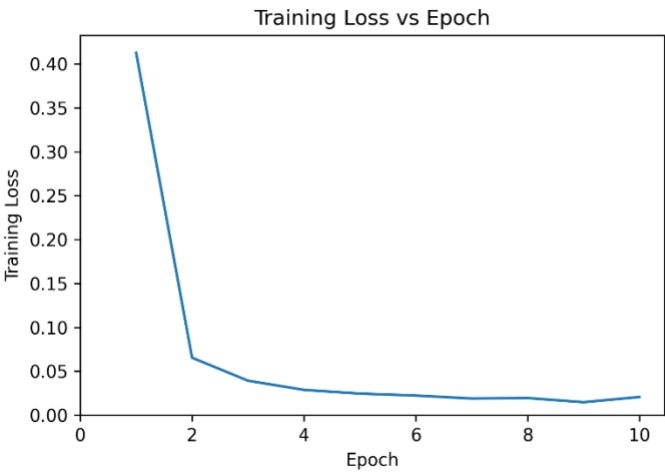


# Graphs

## 5 Epochs



# 10 Epochs



# 15 Epochs

