## Experiment 1:

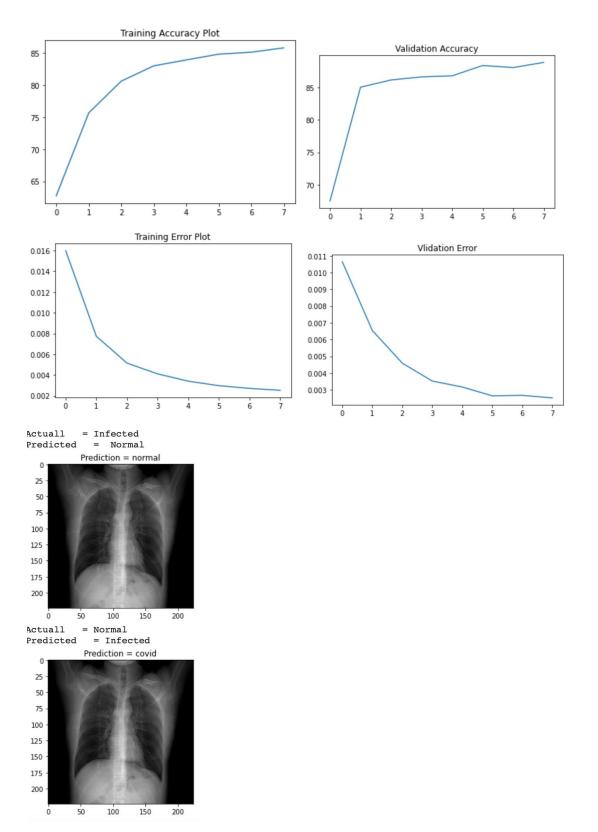
Model: VGG16(No Layer Freezed)

Epochs = 8

Learning Rate = 0.01

Focal Loss: gamma=2, alpha=0.25

Best Model Stats: Validation Accuracy: 88.853503 %



precision = 0.9071047094852387 Recall = 0.8757812499863159 F1 score =
0.891167769382776

Experiment 2:

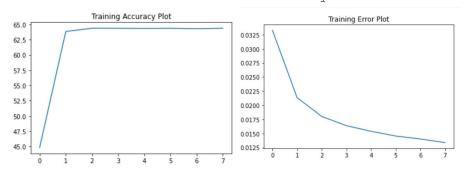
Model: VGG16(All Freezed Layers)

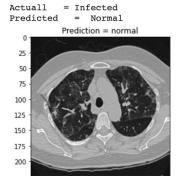
Epochs = 8

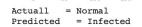
Learning Rate = 0.001

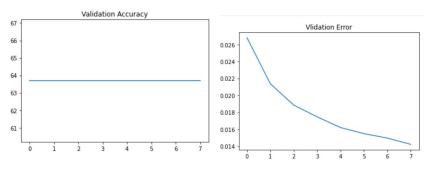
Focal Loss: gamma=2, alpha=0.25

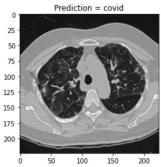
Best Model Stats: Validation Accuracy: 63.694268 %











precision = 0.6462035541091082 Recall = 0.6249999999992344 F1 score =
0.6354248904327325

## Experiment 3:

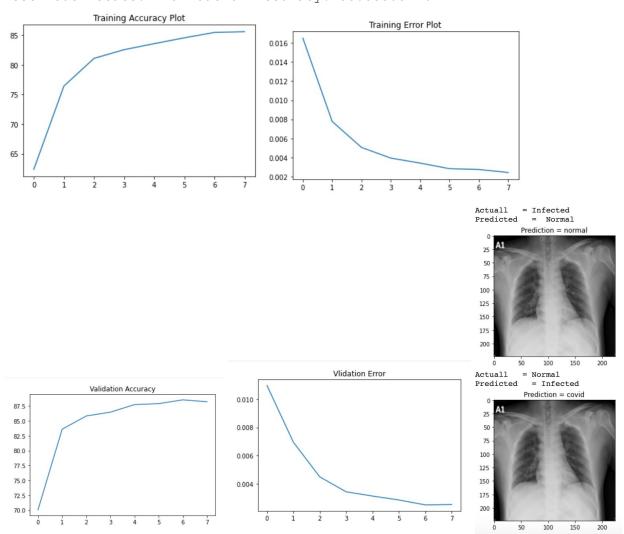
Model: VGG16(Random Layer Freezed)

Epochs = 8

Learning Rate = 0.001

Focal Loss: gamma=2, alpha=0.25

Best Model Stats: Validation Accuracy: 88.535032 %



precision = 0.9023721155252159 Recall = 0.8737499999863477 F1 score =
0.8878303858169434

## Experiment 4:

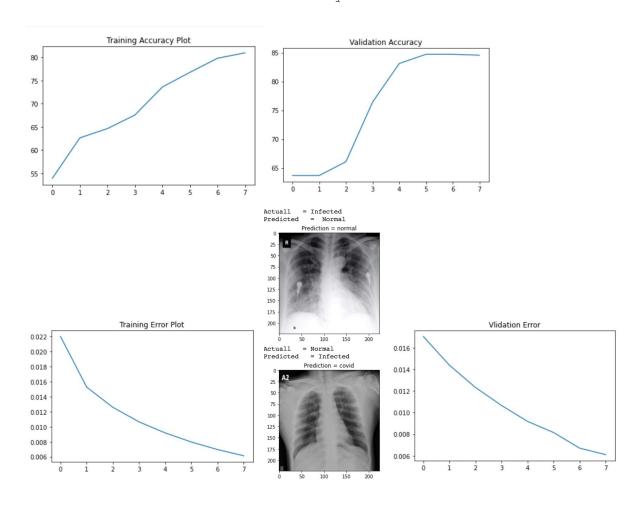
Model: ResNet18(All Layer Freezed)

Epochs = 8

Learning Rate = 0.01

Focal Loss: gamma=2, alpha=0.25

Best Model Stats: Validation Accuracy: 84.713376 %



precision = 0.859170833991625 Recall = 0.832187499986997 F1 score =
0.8454638757076973

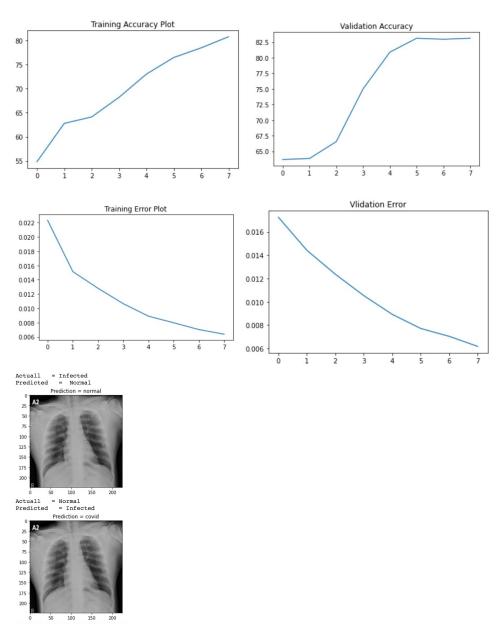
## Experiment 5:

Model: ResNet18(Random Layer Freezed)

Epochs = 8

Learning Rate = 0.01

Best Model Stats: Validation Accuracy: 83.121019 %



precision = 0.8556851311814758 Recall = 0.8254687499871021 F1 score =
0.8403053420816827