

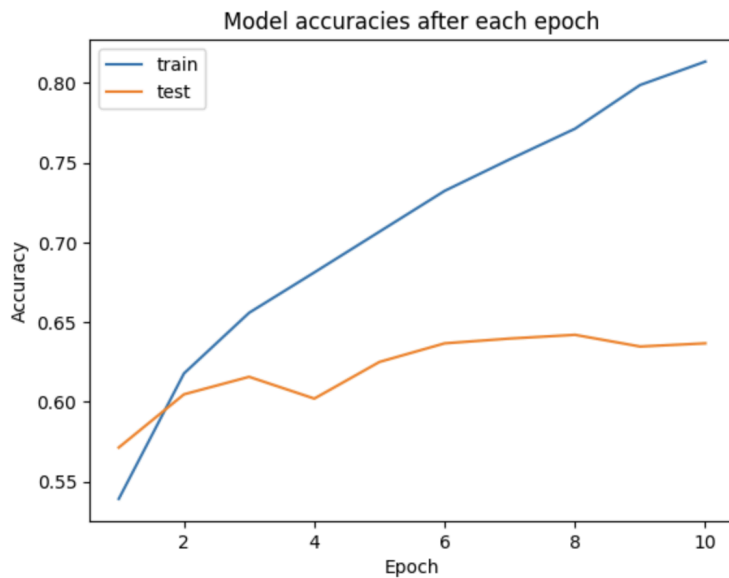
RESULTS:

By: Joseph Joswiak

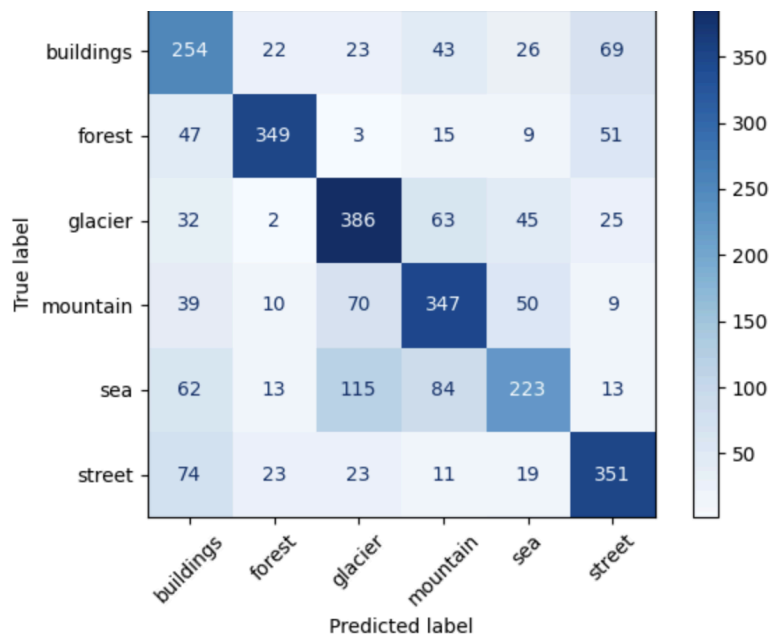
MLP Model 1 (10 Epochs):

MLP Performance: Test loss: 1.0469 Test accuracy: 63.67%

MLP Accuracy Graph:



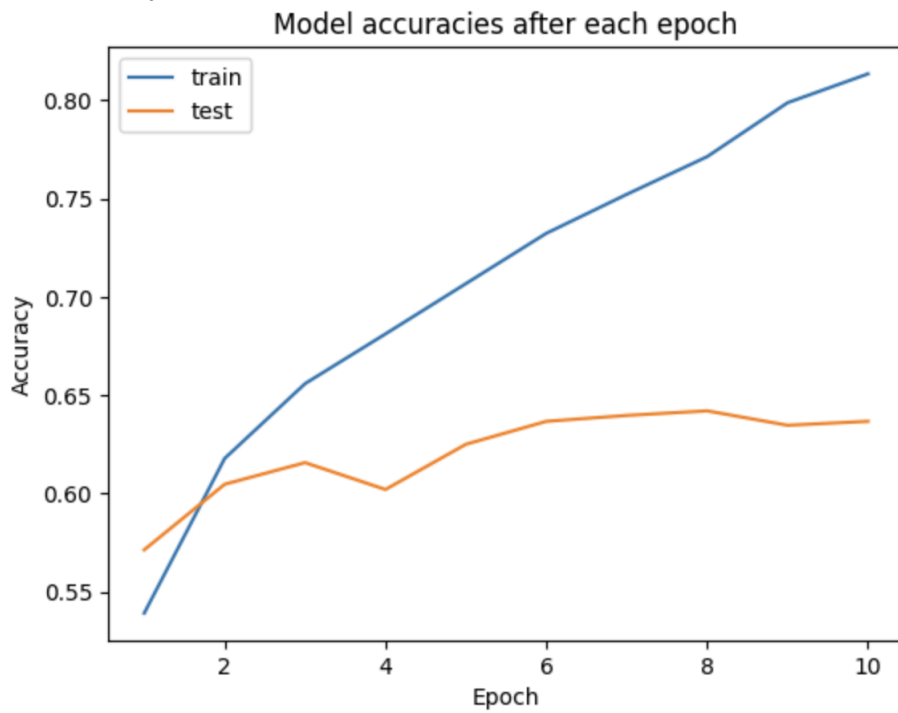
MLP Confusion Matrix:



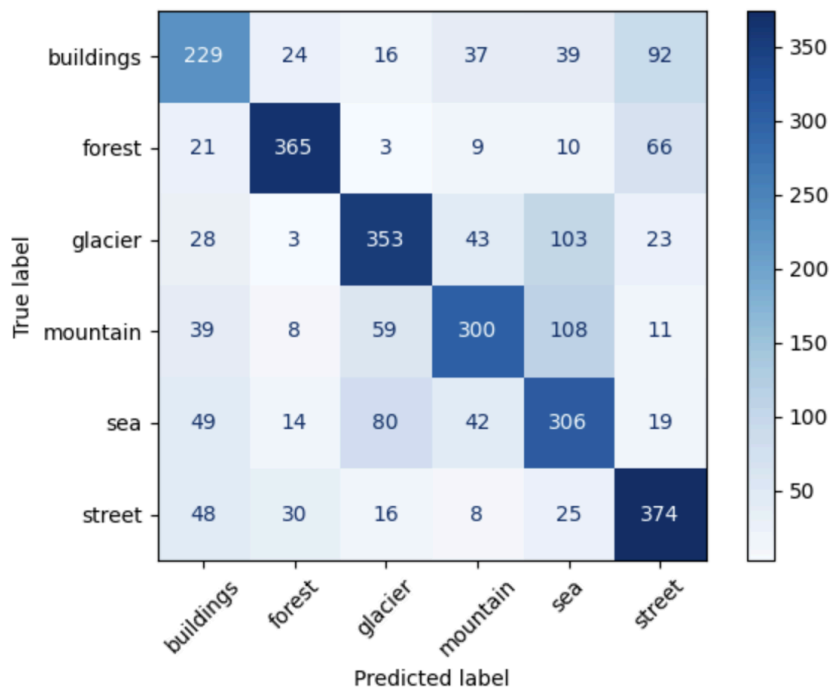
MLP Model 2 (20 Epochs):

MLP Performance: Test loss: 1.4614 Test accuracy: 64.23%

MLP Accuracy Graph:



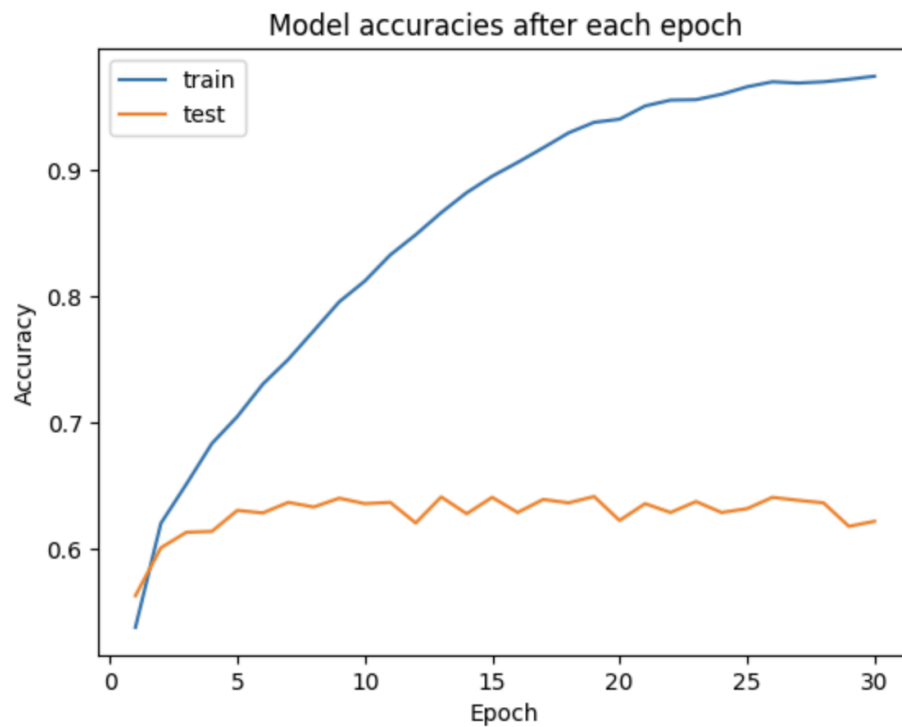
MLP Confusion Matrix:



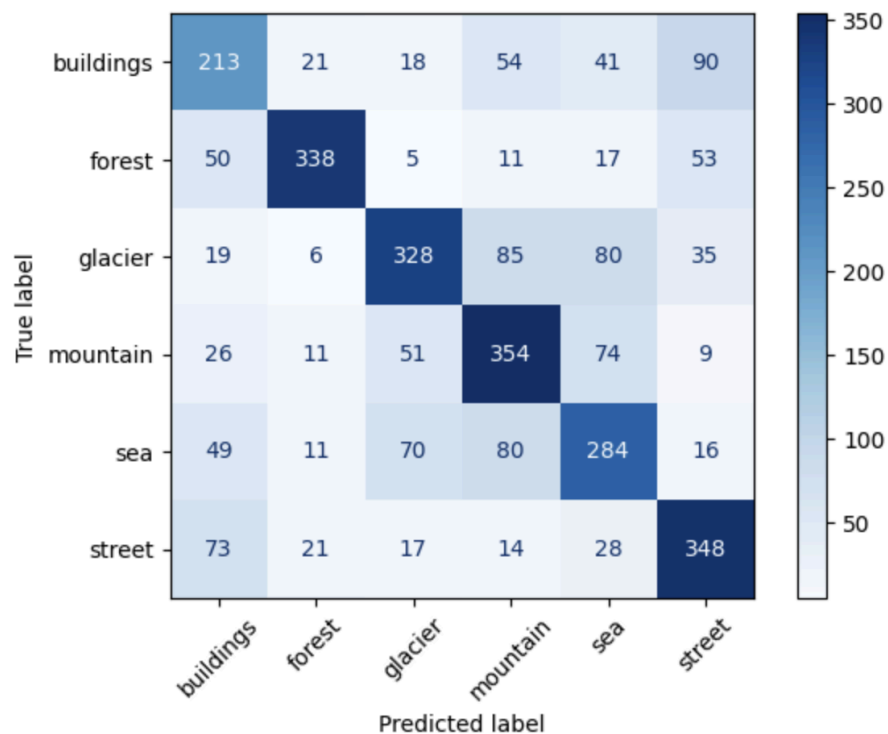
MLP Model 3 (30 Epochs):

MLP Performance: Test loss: 2.0071 Test accuracy: 62.17%

MLP Accuracy Graph:



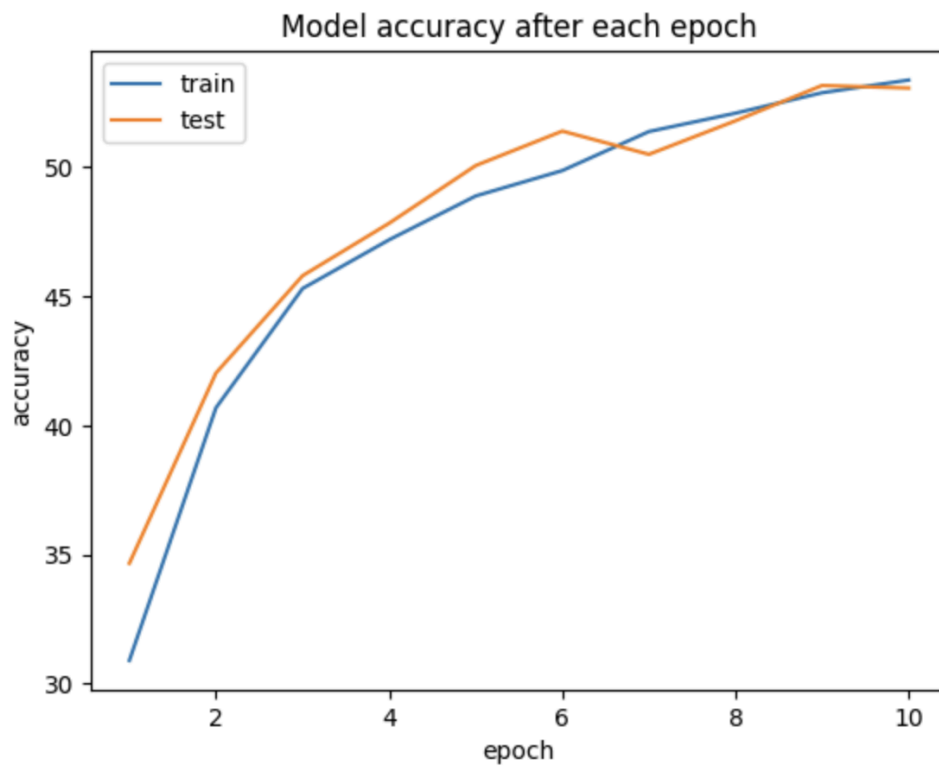
MLP Confusion Matrix:



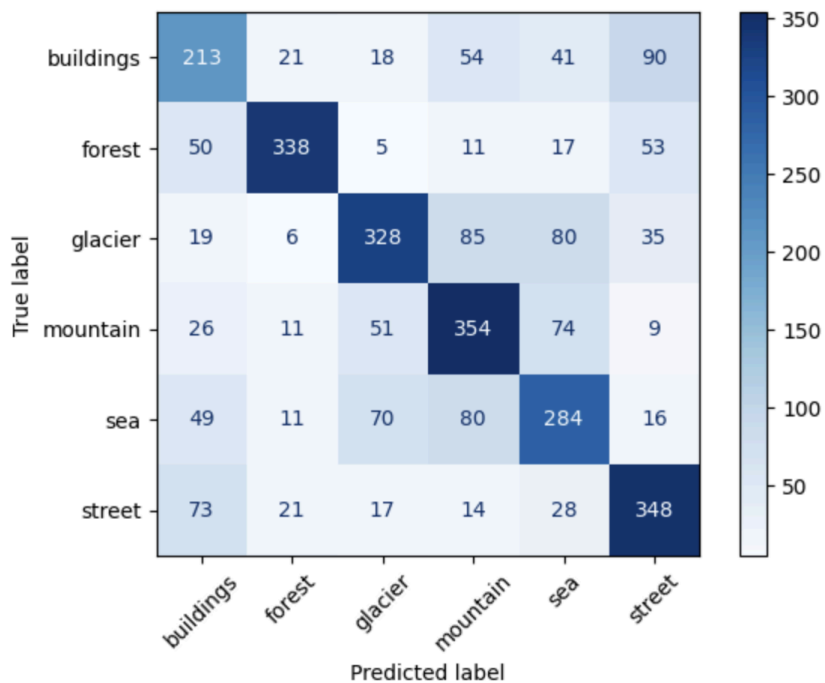
CNN Model 1 (10 Epochs):

CNN Performance: Test loss: 1.225311 Test accuracy: 53.1%

CNN Accuracy Graph:



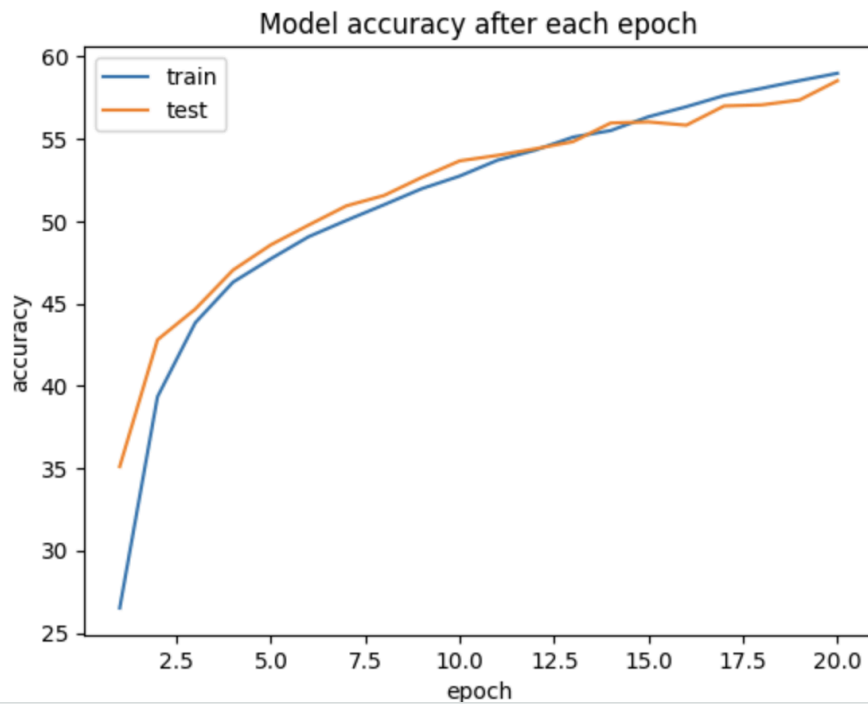
CNN Confusion Matrix:



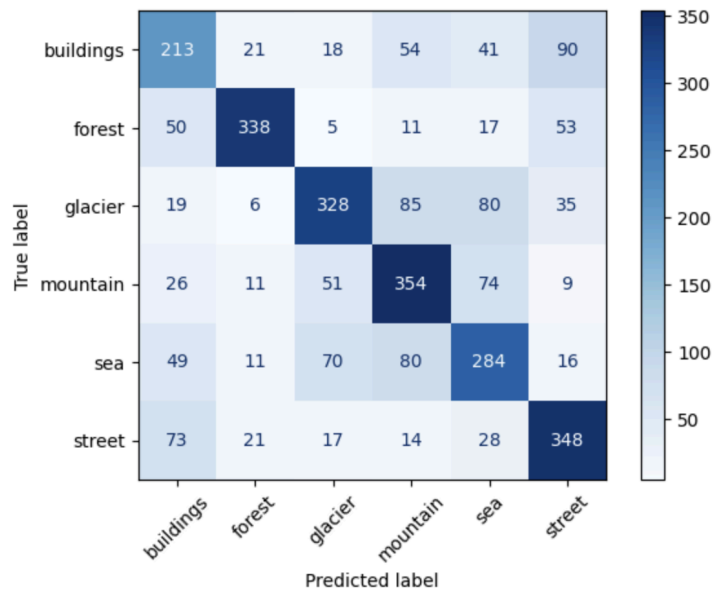
CNN Model 2 (20 Epochs):

CNN Performance: Test loss: 1.098358 Test accuracy: 58.5%

CNN Accuracy Graph:



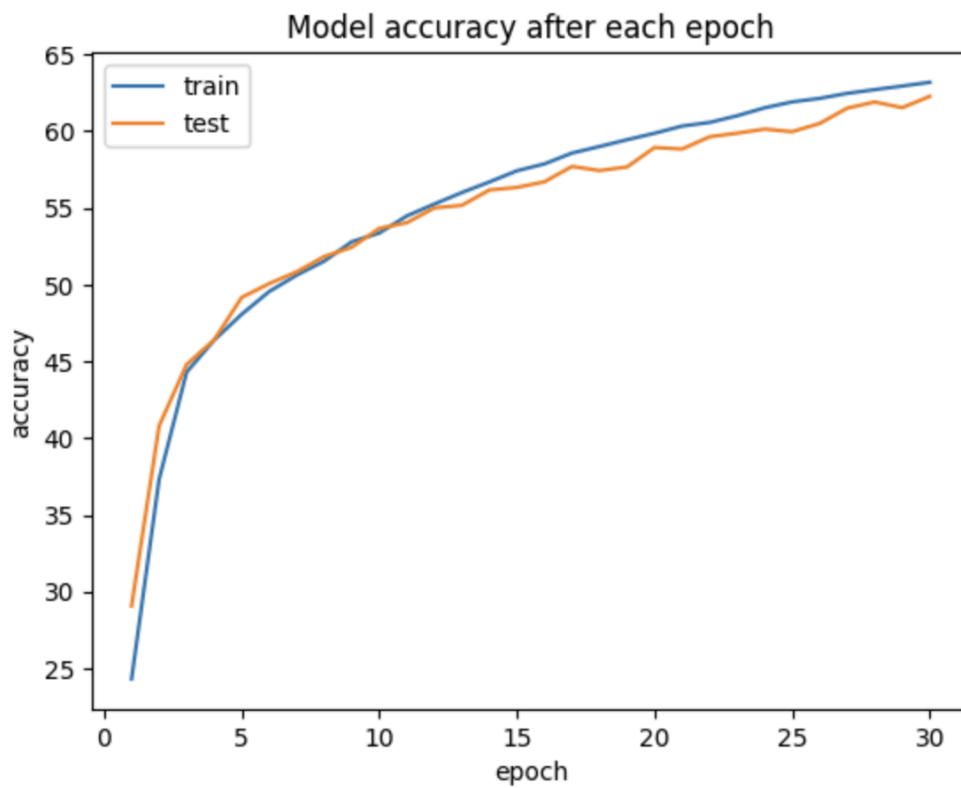
CNN Confusion Matrix:



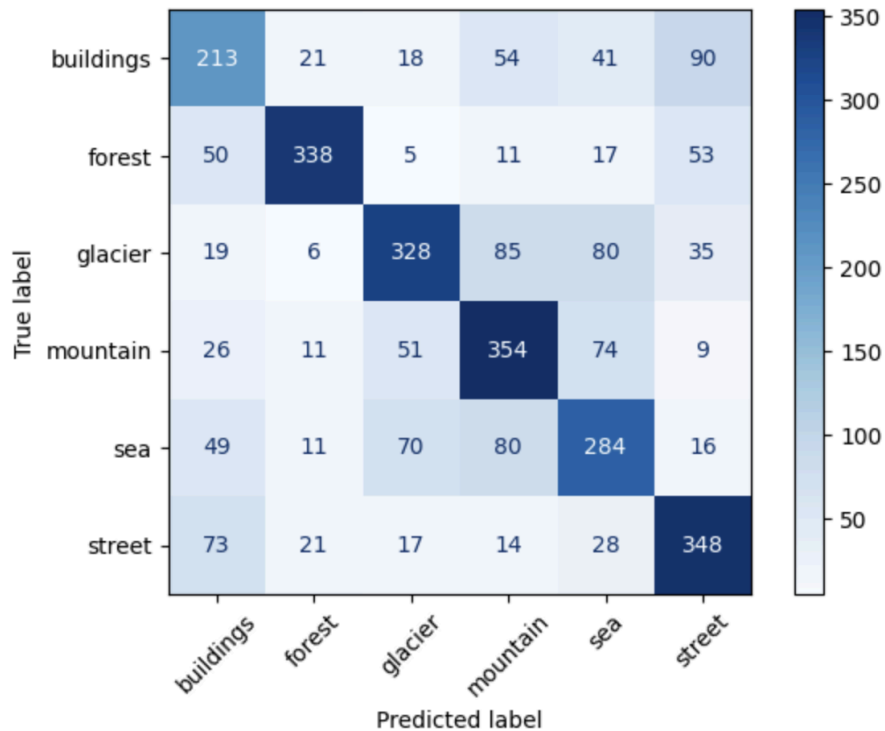
CNN Model 3 (30 Epochs):

CNN Performance: Test loss: 0.993810 Test accuracy: 61.5%

CNN Accuracy Graph:



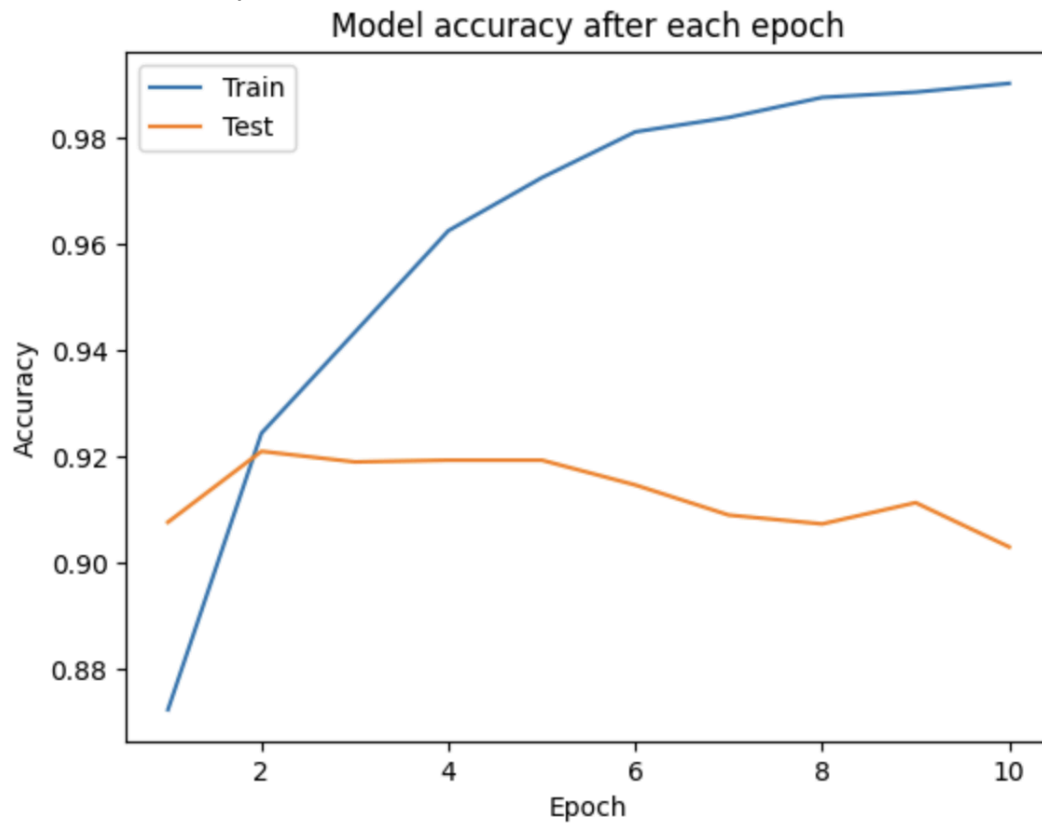
CNN Confusion Matrix:



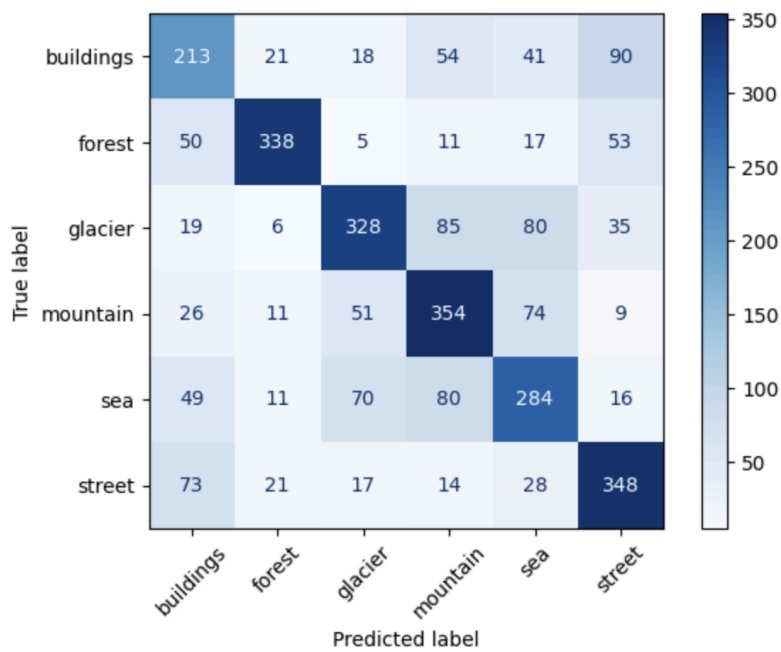
fine-tuned AlexNet Model 1 (10 Epochs):

fine-tuned AlexNet Performance: Test loss: 0.3988 Test accuracy: 90.3%

fine-tuned AlexNet Accuracy Graph:



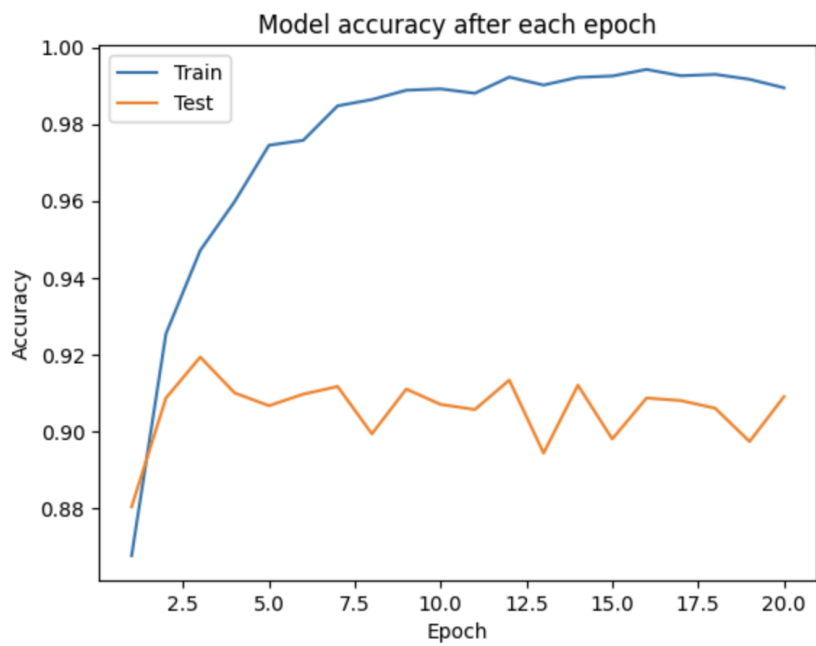
fine-tuned AlexNet Confusion Matrix:



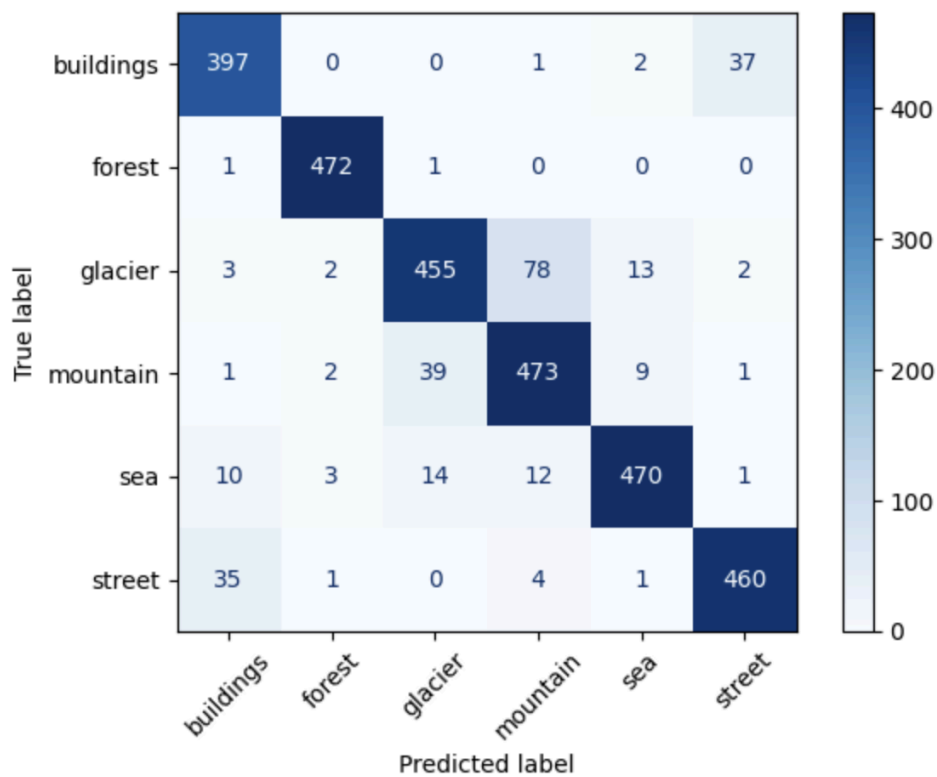
fine-tuned AlexNet Model 2 (20 Epochs):

fine-tuned AlexNet Performance: Test loss: 0.4637 Test accuracy: 90.9%

fine-tuned AlexNet Accuracy Graph:



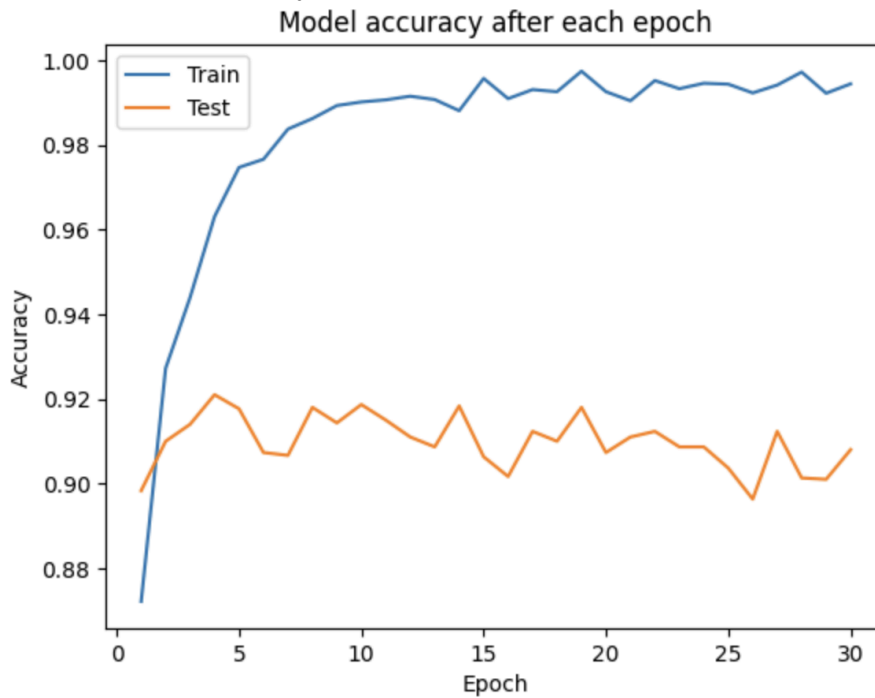
fine-tuned AlexNet Confusion Matrix:



fine-tuned AlexNet Model 3 (30 Epochs):

fine-tuned AlexNet Performance: Test loss: 0.5554 Test accuracy: 90.8%

fine-tuned AlexNet Accuracy Graph:



fine-tuned AlexNet Confusion Matrix:

