CS 534: Artificial Intelligence
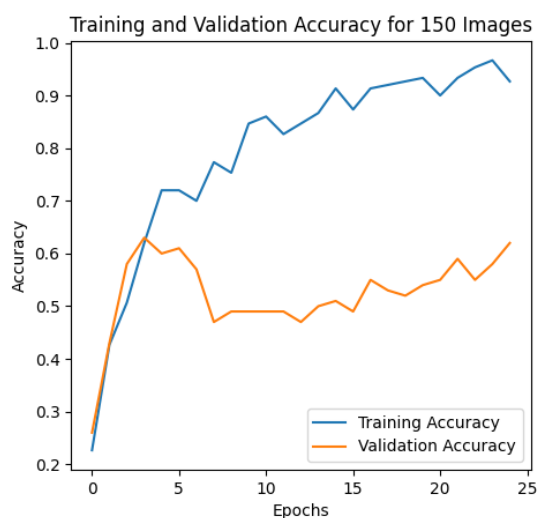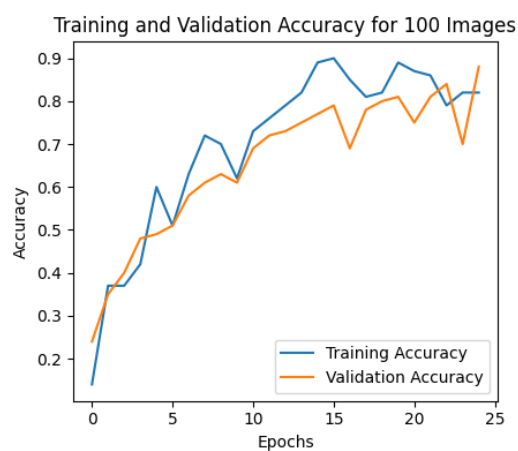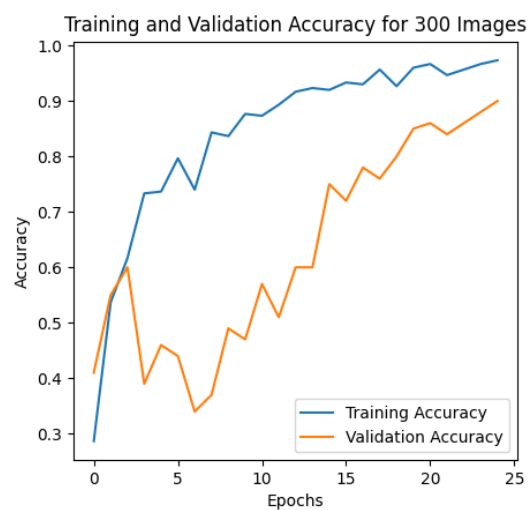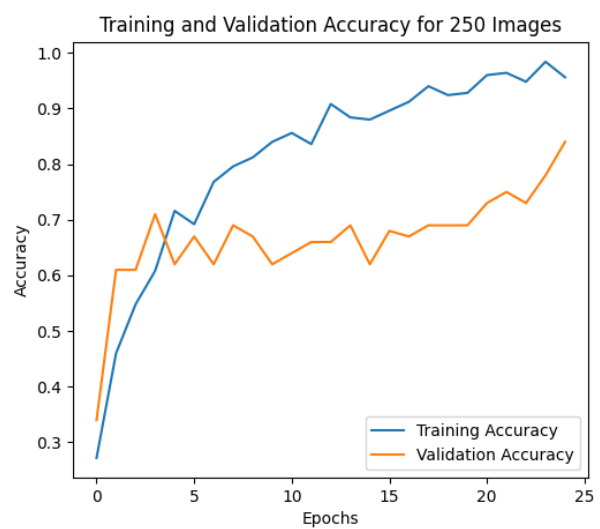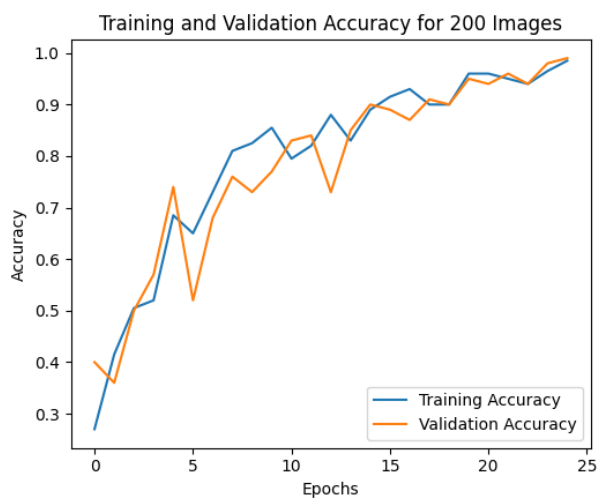# Homework 4 Question 5

Nathanael Vickery

Due Date: July 10, 2022

Question 5

The Alexnet implementation was done according to the methodology presented in Reference [Ala21]. The code and data sets are in the associated folders. The accuracy results are as follows.

Training and Validation Accuracy for 200 Images

Accuracy vs Epochs

Training and Validation Accuracy for 250 Images

Accuracy vs Epochs

Training and Validation Accuracy for 300 Images

Accuracy vs Epochs

References

[Ala21]   Richmond Alake. "Implementing AlexNet CNN Architecture Using TensorFlow 2.0+ and Keras". In: *Towards Data Science* (Nov. 2021). URL: `https://towardsdatascience.com/implementing-alexnet-cnn-architecture-using-tensorflow-2-0-and-keras-2113e090ad98`.