L06

The biggest challenge that I faced during this lab was trying to get the datasets to load properly, tweaking the parameters so the code could run smoothly, and correcting the syntax errors in order for the program to run correctly, although I didn't reach 100% accuracy fixing everything.I was able to allocate some time to do some essential research on learning and understanding how to properly implement these functions. I feel like my main issue is picking a consistent and improved IDE to produce my code in that has datasets and the information pre-installed already, or having the files in my local directory.

It all begins making sure that you have the correct libraries imported, generic python, and deep learning libraries are important. The first challenge I faced came with the 2 class muffin vs chihuahua classifier. I honestly wasn't paying attention before running the code and couldn't understand why it wouldn't run properly. I quickly came to the understanding that I didn't specify the inputs height and width so I entered low simple integers. The next issue was placing the network on a GPU. I first caught glance that the model hadn't been specified and was preceded by a "?". I didn't understand how to properly import the model which led to me doing some external research, I figured out I could properly get the model to work my using MySkynet to load our neural network. When ran it displayed the layer, input and output of the features, and a bias statement for each layer. The data and data loading area is what I've had my biggest issues with trying to get work properly. I keep getting FileNotFound errors because apparently the contents in the code aren't being shown in my local environment. I've been tweaking and trying to change the parameters and datasets so I can get a successful run on the command but I simply just couldn't figure it out. I don't understand how I can get these files on my local environments but I know that is defiantly my main problem. In the midst of me writing this I successfully figured out how to get the "Look at some of the images" category to run correctly. So I already understood I was having a file issue so the way that I resolved the problem by creating directories because they obviously didn't exist.

Throughout the rest of the lab I experienced hardships and difficulties trying to understand why I couldn't get my code to run fluidly using different resources trying to figure out how to get it work yet I just couldn't get it. I'm going to dedicate more time understanding this model and how to implement it correctly. The biggest code I kept receiving was name errors, and file not found errors so I need to dig deeper in that realm and keep gaining insight on how to get everything to run correctly.

After reflecting and gaining more understanding of machine learning, and image classification I understand how complex and the amount of data it computer power it takes to successfully run these programs. Although I feel like I came up short for the most part on completely figuring out the lab. Doing external research and looking at different examples helped me analyze the data in multiple ways and understanding how machine learning is intertwined with it all. I feel I figured out most of the cell blocks errors, and for the ones that I didn't I have a moderate understanding on why I wasn't able to figure out the issue. Understanding the location of files and making sure the directories are correct and enabled will be a big focus for me moving forward.