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CS 4981 011
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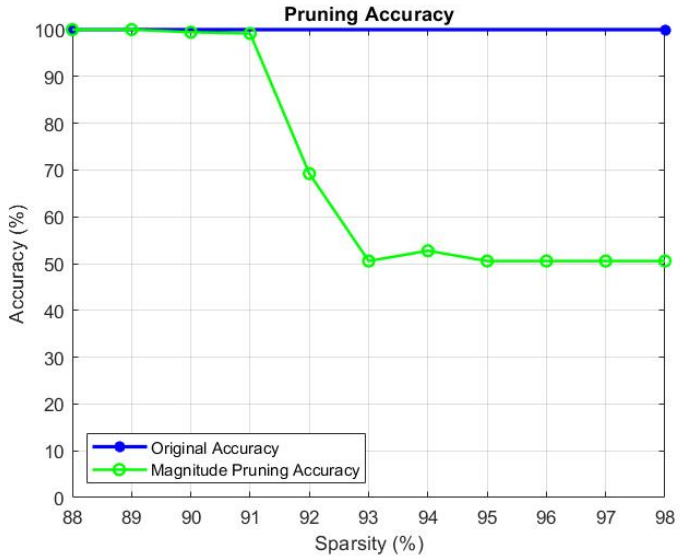
Lab 3

1. Provide a graph of model accuracy vs. sparsity (or a similar graph that shows the sparsity/accuracy tradeoff).



2. Make a decision about a sparsity/accuracy tradeoff and discuss why you chose this particular tradeoff.
    a. I think it's quite obvious that I would choose 91% sparsity. The accuracy is just barely below 100% at 91% sparsity, but then the accuracy drops drastically at 92% sparsity.
3. Summarize your key questions or open issues.
    a. What parts of the lab were hard to understand?
        i. Knowing what I was actually doing in the lab to get my results wasn't difficult, but making sure that everything was in the correct place and everything was configured correctly took some time to get right.
    b. Did you run into errors and were you able to solve them?
        i. Some of the code from the given pruningMain.m file had to be moved around and adjusted because some lines from the MATLAB tutorial were missing and some were in incorrect order, so it would give errors about missing functions or variables. I also had to retrain my network to work with the datasets that aren't zoomed in because that was what my network was originally trained with.
    c. Are there topics you'd like to learn more about next?
        i. I know the tutorial shows how to adjust the sparsity after a network has been created, but is there a way to create a new network with a specific sparsity?