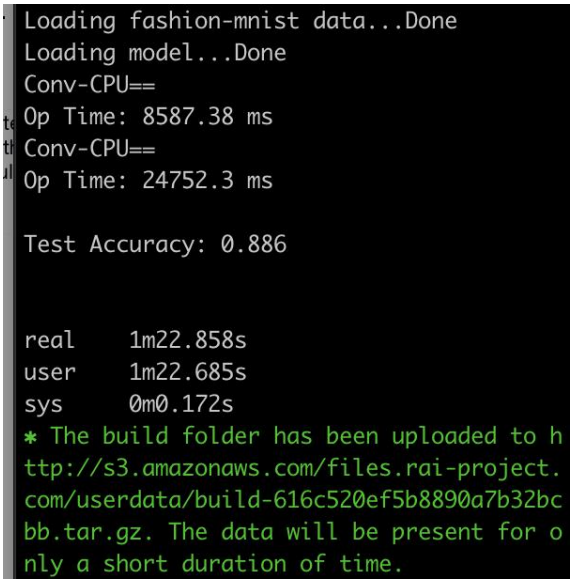
Name: Yiming Li
NetID: yiming22
Section: <class section>

ECE 408/CS483 Milestone 1 Report

1. Show output of rai running Mini-DNN on the CPU (CPU convolution implemented) for batch size of 1k images. This can either be a screen capture or a text copy of the running output. Please do not show the build output. (The running output should be everything including and after the line "Loading fashion-mnist data...Done").



Loading model...Done
Conv-CPU==
Op Time: 8587.38 ms
Conv-CPU==
Op Time: 24752.3 ms

Test Accuracy: 0.886

real 1m22.858s
user 1m22.685s
sys 0m0.172s
* The build folder has been uploaded to http://s3.amazonaws.com/files.rai-project.com/userdata/build-616c520ef5b8890a7b32bcbb.tar.gz. The data will be present for only a short duration of time.

2. List Op Times (CPU convolution implemented), whole program execution time, and accuracy for batch size of 1k images.

Batch Size	Op Time 1	Op Time 2	Total Execution Time	Accuracy
1000	8587.38 ms	24752.3 ms	1m22.858s	0.886

3. Show percentage of total execution time of your program spent in your forward pass function with ‘gprof’. This can either be a screen capture or a text copy of gprof output. You should only include the line that includes your CPU forward pass function ‘conv_forward_cpu’, so please do not give more than this line.

<gprof output here>

84.35 33.42 33.42 2 16.71 16.71 conv_forward_cpu(float*, float const*, float const*, int, int, int, int, int, int)