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| **Section:** | *AL2* |

**ECE 408/CS483 Milestone 1 Report**

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| 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*"). |
| *Test batch size: 1000*  *Loading fashion-mnist data...Done*  *Loading model...Done*  *Conv-CPU==*  *Op Time: 8291.14 ms*  *Conv-CPU==*  *Op Time: 23900.5 ms*  *Test Accuracy: 0.886*  *✱ The build folder has been uploaded to http://s3.amazonaws.com/files.rai-project.com/userdata/build-6160f7d31d41c80969f01956.tar.gz. The data will be present for only a short duration of time.* |
| 1. 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 | *8291.14ms* | *23900.5ms* | *32191.64* | *0.886* | |
| 1. 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. |
| *% cumulative self self total*  *time seconds seconds calls Ts/call Ts/call name*  *77.66 32.25 32.25 conv\_forward\_cpu(float\*, float const\*, float const\*, int, int, int, int, int, int)* |