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| **Section:** | *ECE 408 AL1* |

**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*"). |
| *Loading fashion-mnist data...Done*  *Loading model...Done*  *Conv-CPU==*  *Op Time: 9880.67 ms*  *Conv-CPU==*  *Op Time: 34423 ms*  *Test Accuracy: 0.886*  *real 1m33.212s*  *user 1m32.882s*  *sys 0m0.160s* |
| 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 | *9880.67 ms* | *34423 ms* | *1m33.212s* | *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. |
| *Flat profile:*  *Each sample counts as 0.01 seconds.*  *% cumulative self self total*  *time seconds seconds calls s/call s/call name*  *87.95 44.15 44.15 2 22.08 22.08 conv\_forward\_cpu(float\*, float const\*, float const\*, int, int, int, int, int, int)* |