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| **Name:** | *<name>* |
| **NetID:** | *<netid>* |
| **Section:** | *<class section>* |

**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*"). |

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| *<output here>*    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. |

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| 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 | *8587.38 ms* | *24752.3 ms* | *1m22.858s* | *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. |
| *<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)* |