

HPC Project 3 - Milestone 1 report

Karaen Senthilkumar (Cnet ID: karaen)

Performance of ML model

In midway3,

Compiler	icx
Flags	-O3 -march=native -flto -funroll-loops -ffast-math -lm
Final success rate (20 epochs)	95.570000
Average grind rate (samples / s)	14,282
Total training time	84.019051
Total inference time	3.706629
Learning rate	0.01
Batch size	100

In intel i5 1.8 GHz,

Compiler	gcc
Flags	-O3 -march=native -flto -funroll-loops -ffast-math -lm
Final success rate (20 epochs)	95.329994
Average grind rate (samples / s)	10,782
Total training time	111.292549
Total inference time	4.666291
Learning rate	0.01
Batch size	100