Project Report (V1)

Group Members:

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Project Overview

The High-Performance Computing (HPC) project aimed at optimizing the execution of a neural network training process by profiling key functions to understand their performance impact. The project involved utilizing profiling tools to analyze which functions consumed the most time and optimizing the code for better performance.

Execution Summary

- **Total Execution Time:** 45 seconds

% Time	Cumulative Seconds	Self Seconds	Calls	Self/Call	Total/Call	Function Name
77.06%	34.64	34.64	190,000	0.00	0.00	`forward`
22.74%	44.86	10.22	180,000	0.00	0.00	`backward`
0.16%	44.93	0.07	2	0.04	0.04	`loadMNISTImages`
0.02%	44.94	0.01	1	0.01	43.05	`Train`

Dot Graph: