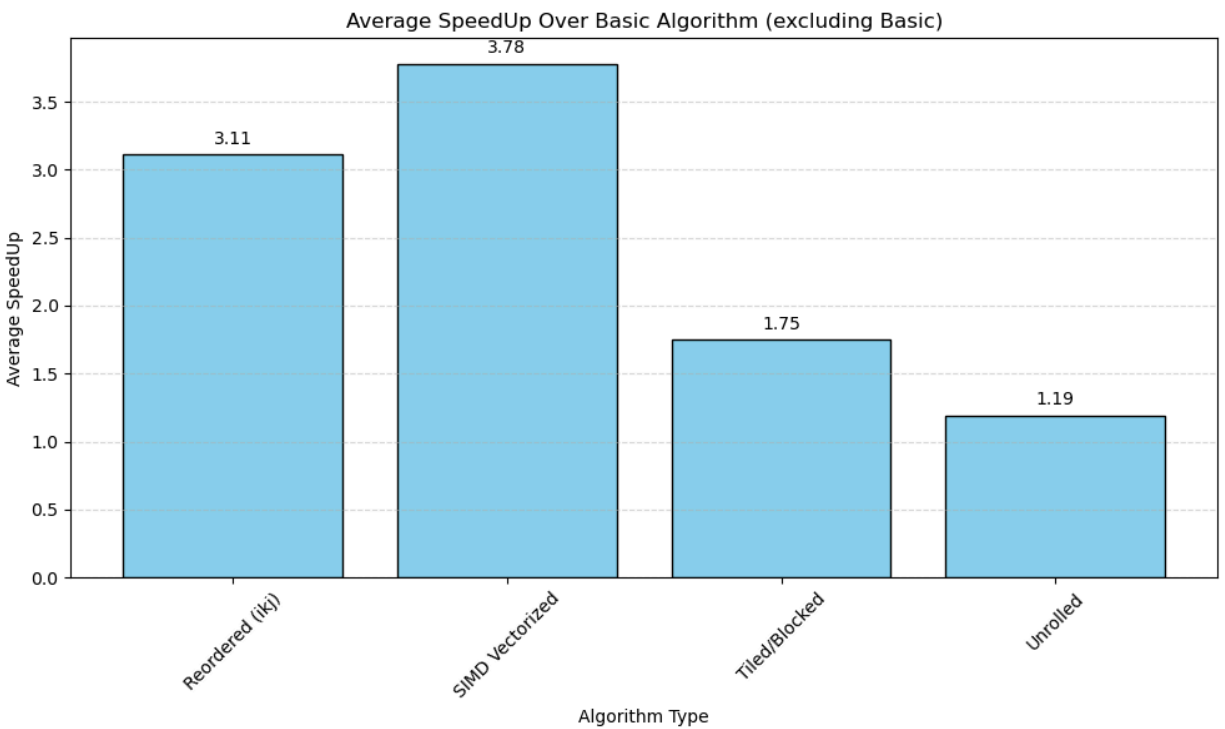
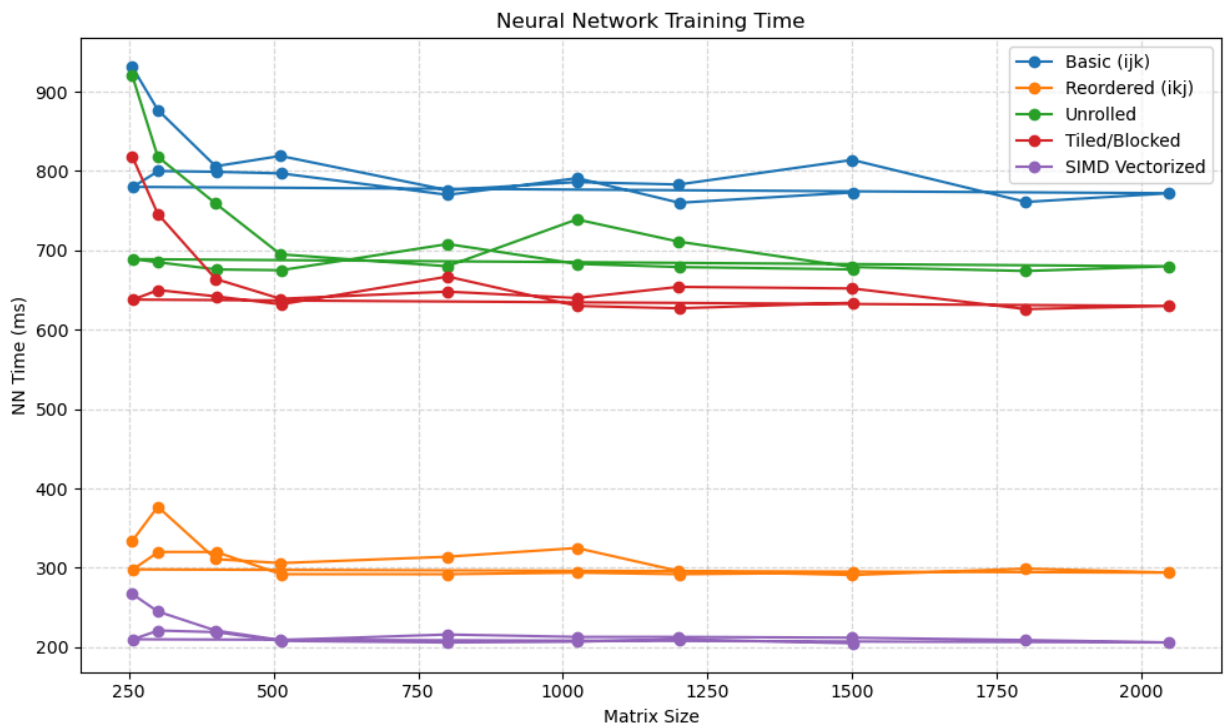


Matrix Sizes :

- 256 300 400 512 800 1024 1200 1500 1800 2048 257 301 401 513 801 1025 1201 1501



CSV Link :

https://docs.google.com/spreadsheets/d/16sG9r-eoqqqvM9tpXIEsx2cdv9_UYYtAevFa05279yk/edit?usp=sharing

Matrix Size	Algorithm Type	Time Taken Ms	SpeedUp over Basic	Total Loss	NN Time Taken
256	Basic (ijk)	16		87340.68	931
256	Reordered (ikj)	7	2.29	87340.68393	334
256	Unrolled	13	1.23	87340.68393	920
256	Tiled/Blocked	16	1	87340.68393	818
256	SIMD Vectorized	5	3.2	87340.68393	267
257	Basic (ijk)	16		87609.63	780
257	Reordered (ikj)	6	2.67	87609.63286	298
257	Unrolled	12	1.33	87609.63286	689
257	Tiled/Blocked	14	1.14	87609.63286	638
257	SIMD Vectorized	4	4	87609.63286	210
300	Basic (ijk)	25		87369.43	877
300	Reordered (ikj)	10	2.5	87369.43018	377
300	Unrolled	21	1.19	87369.43018	818
300	Tiled/Blocked	22	1.14	87369.43018	746
300	SIMD Vectorized	6	4.17	87369.43018	245
301	Basic (ijk)	25		87225.52	800
301	Reordered (ikj)	9	2.78	87225.51562	320
301	Unrolled	20	1.25	87225.51562	685
301	Tiled/Blocked	21	1.19	87225.51562	650
301	SIMD Vectorized	6	4.17	87225.51562	221
400	Basic (ijk)	64		87682.23	806
400	Reordered (ikj)	22	2.91	87682.23184	311
400	Unrolled	49	1.31	87682.23184	759
400	Tiled/Blocked	53	1.21	87682.23184	664
400	SIMD Vectorized	15	4.27	87682.23184	221
401	Basic (ijk)	61		87072.07	799

401	Reordered (ikj)	23	2.65	87072.06589	320
401	Unrolled	50	1.22	87072.06589	676
401	Tiled/Blocked	49	1.24	87072.06589	642
401	SIMD Vectorized	14	4.36	87072.06589	219
512	Basic (ijk)	136		87310.73	819
512	Reordered (ikj)	47	2.89	87310.73226	306
512	Unrolled	111	1.23	87310.73226	695
512	Tiled/Blocked	104	1.31	87310.73226	639
512	SIMD Vectorized	33	4.12	87310.73226	209
513	Basic (ijk)	132		87463.89	797
513	Reordered (ikj)	46	2.87	87463.88662	292
513	Unrolled	111	1.19	87463.88662	675
513	Tiled/Blocked	103	1.28	87463.88662	632
513	SIMD Vectorized	31	4.26	87463.88662	208
800	Basic (ijk)	554		87271.25	776
800	Reordered (ikj)	216	2.56	87271.24726	314
800	Unrolled	564	0.98	87271.24726	680
800	Tiled/Blocked	392	1.41	87271.24726	648
800	SIMD Vectorized	138	4.01	87271.24726	216
801	Basic (ijk)	561		87398.23	770
801	Reordered (ikj)	221	2.54	87398.23274	292
801	Unrolled	549	1.02	87398.23274	708
801	Tiled/Blocked	387	1.45	87398.23274	667
801	SIMD Vectorized	128	4.38	87398.23274	206
1024	Basic (ijk)	1799		87447.33	786
1024	Reordered (ikj)	472	3.81	87447.32562	325
1024	Unrolled	1269	1.42	87447.32562	739
1024	Tiled/Blocked	843	2.13	87447.32562	640
1024	SIMD Vectorized	571	3.15	87447.32562	213
1025	Basic (ijk)	1675		86995.48	791

1025	Reordered (ikj)	461	3.63	86995.48097	294
1025	Unrolled	1098	1.53	86995.48097	683
1025	Tiled/Blocked	825	2.03	86995.48097	630
1025	SIMD Vectorized	387	4.33	86995.48097	207
1200	Basic (ijk)	3000		87519.82	783
1200	Reordered (ikj)	941	3.19	87519.81786	296
1200	Unrolled	2565	1.17	87519.81786	711
1200	Tiled/Blocked	1324	2.27	87519.81786	654
1200	SIMD Vectorized	859	3.49	87519.81786	213
1201	Basic (ijk)	2987		87353.36	760
1201	Reordered (ikj)	862	3.47	87353.35759	292
1201	Unrolled	2413	1.24	87353.35759	679
1201	Tiled/Blocked	1324	2.26	87353.35759	627
1201	SIMD Vectorized	708	4.22	87353.35759	210
1500	Basic (ijk)	6282		87845.95	814
1500	Reordered (ikj)	1789	3.51	87845.94566	291
1500	Unrolled	6034	1.04	87845.94566	679
1500	Tiled/Blocked	2596	2.42	87845.94566	652
1500	SIMD Vectorized	2228	2.82	87845.94566	212
1501	Basic (ijk)	6686		87351.1	773
1501	Reordered (ikj)	1788	3.74	87351.09727	294
1501	Unrolled	6410	1.04	87351.09727	676
1501	Tiled/Blocked	2671	2.5	87351.09727	634
1501	SIMD Vectorized	1906	3.51	87351.09727	205
1800	Basic (ijk)	11627		87414.58	761
1800	Reordered (ikj)	3022	3.85	87414.5842	299
1800	Unrolled	11593	1	87414.5842	674
1800	Tiled/Blocked	4474	2.6	87414.5842	626
1800	SIMD Vectorized	4316	2.69	87414.5842	209
2048	Basic (ijk)	18848		87140.8	772

2048	Reordered (ikj)	4515	4.17	87140.80053	294
2048	Unrolled	18171	1.04	87140.80053	680
2048	Tiled/Blocked	6513	2.89	87140.80053	630
2048	SIMD Vectorized	6577	2.87	87140.80053	206