Feature	Cosine Similarity (Baseline)	FAISS (Optimized)
Method	Direct pairwise similarity computation using cosine_similarity on the entire matrix.	Builds a <b>vector index</b> (ANN – Approximate Nearest Neighbor) and searches efficiently.
Speed	Very <b>slow</b> on large datasets (because it computes similarity with every vector).	<b>Much faster</b> (sub-linear search) even with millions of vectors.
Memory Usage	Needs to keep the full similarity matrix in memory (N x N).	Stores a compressed index; only searches top-K nearest neighbors.
Accuracy	Exact (100% correct neighbors).	Approximate by default, but very close to exact; can be tuned for accuracy.
Scalability	Works fine for <b>small CSVs</b> (<10k movies). Becomes unusable for <b>large datasets</b> (>100k).	Designed to handle <b>millions of items</b> efficiently.
Library	scikit-learn	faiss (Facebook AI Similarity Search, optimized in C++/CUDA).