

Slide 1: Title

News Article Search Engine

CS516 - Information Retrieval and Text Mining

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Slide 2: Motivation

Build a small search engine to demonstrate indexing, TF-IDF ranking, and boolean retrieval.

Slide 3: System Design

Dataset -> Preprocessing -> Indexing (TF-IDF) -> Query ->
Results (Ranked & Boolean)

Slide 4: Demo & Results

Live demo shows ranked results (TF-IDF + Cosine) and Boolean AND search.

Slide 5: Future Work

Add stemming, larger datasets, BM25, inverted index persistence, pagination, relevance feedback.