

Big Data (CS 522)

Knowledge is Structured in Consciousness

Lesson 6

Inverted Indexing for Text Retrieval

The three in one structure of the Unified Field

Nearly all retrieval engines for full-text search today rely on a data structure called an inverted index, which given a term provides access to the list of documents that contain the term.

Rishi (knower), Devata (process of knowing) and Chhandas (known) are the three basic qualities that structure natural law.

MAIN POINTS

1. An inverted index consists of postings lists, one associated with each term that appears in the collection. *A graphical technique employed by Vedic science is the unified field chart which gives a holistic overview of a discipline and links all knowledge with the Self.*
2. A simple approach to compression is to only use as many bytes as is necessary to represent the integer. This is known as variable-length integer coding (varInt for short) and accomplished by using the high order bit of every byte as the continuation bit, which is set to one in the last (lowest) byte and zero elsewhere. *Vedic Science locates the source of all diversity in the non-changing Unified Field.*

CONNECTING THE PARTS OF KNOWLEDGE
WITH THE WHOLENESS OF KNOWLEDGE

1. The inverted index model employs three basic concepts: term, documents, and relationship.
2. An inverted index technique is exclusively used by all web crawlers.

3. ***Transcendental consciousness** is the experience of the simplest and most abstract state of awareness which underlies all states of greater excitation.*
4. ***Impulses within the Transcendental Field :** Nature accomplishes what it needs by having its impulses in the transcendental field be as efficient as possible.*
5. ***Wholeness moving within itself:** In unity consciousness one experiences that all layers of the universe are only different expressions of the same infinite field of pure consciousness.*