

Binary HRRs: A New Way to Read Meaning

We turn documents into symbolic maps of meaning — fast, explainable, and composable. No AI black boxes. No model tuning. Just clean, navigable structure from raw text.

How It Works

1. Extract keyword relationships from text.
2. Bind them with XOR into a reversible binary vector.
3. Store each document as a compact, symbolic fingerprint.
4. Compare fingerprints using Hamming distance (fast, intuitive).
5. Search and synthesize documents by structure — not just words.

Why It's Different

Feature	Binary HRRs	Conventional AI
Explainable results	■ Yes	■ No
Fast + symbolic search	■ Yes	■ No
Model-free	■ Yes	■ Needs tuning
Composable graphs	■ Yes	■ Opaque
Low compute cost	■ Yes	■ High

Who Needs This

- Legal research platforms
- Academic publishing & discovery
- AI tool builders
- Semantic search vendors
- Government & policy orgs

We're not chasing AI hype — we're building the map of meaning underneath it.