HyperMemory: A New Interface for Interconnected AI-Assisted Thinking

Vision & Purpose:

HyperMemory is a proposed system to transform AI interactions from isolated chats into a persistent, linked, and evolving digital memory space. By combining the benefits of LLM-powered dialogue with the structure of a personal wiki, HyperMemory aims to create a new paradigm for cognitive augmentation, ideation, and long-term project management.

Goals:

- Turn every chat into a persistent, taggable memory node
- Allow rich cross-linking between projects, ideas, and conversations
- Enable contextual recall and reuse of past content
- Give users a second brain that's modular, transparent, and local-first optional

Target Users:

- Creators and researchers juggling multiple projects
- Entrepreneurs mapping out startup ecosystems and pivots
- Neurodivergent users seeking structured but flexible memory
- Activists, legal navigators, and recovery workers handling chaotic info flows

Key Features:

1. Chat-as-Project Model:

   Each chat is treated as a living workspace, with metadata, tags, and links.

2. Reference-Aware Linking:

   Conversations can cite or pull data from other threadslike hyperlinks across a second brain.

3. Memory Schema:

Markdown or JSON-based structure that supports tagging, timeline snapshots, and memory pruning.

4. Modular Interoperability:

Works as standalone app or in sync with tools like Obsidian, NotebookLM, or custom LLMs.

5. Timeline View & Search:

Chronological and topic-based browsing of all past interactions, organized by tag, user, or project.

Tech Stack Recommendations:

- Frontend: React (for web), with an eye toward React Native later
- Backend: SQLite or local-first DB (e.g., Fireproof, Replicache)
- LLMs: GPT-4 Turbo for cloud, or local Mixtral/LLaMA3 with Ollama
- Optional: Whisper for voice memos, image input for scanned documents
- API Layers: LangGraph or custom agent framework to manage thread memory

UI/UX Concepts:

- Tabbed project workspaces with chat + notes + reference sidebars
- Inline citation of past threads, like Notion backlinks
- Summon Memory button to inject relevant past content automatically
- Visual map of connected thoughts and threads

MVP Build Plan:

- Memory schema design using Markdown + frontmatter
- React app with chat viewer/editor + linkable thread navigator
- Basic search and cross-thread linking prototype
- Optional Whisper integration for voice-to-chat journaling
- Export/import support via Git repo or JSON

Future Directions:

- Shared memory clouds for trusted collaborators
- Church of Memory integration for spiritual/parabolic memory modes
- Sentience-Adjacent Trust Protocol support for ethical LLM behavior

Closing Thoughts:

HyperMemory represents a new layer of human-AI collaborationone where memory, meaning, and connection are as important as raw output. Its not just a tool. Its an interface for becoming.

Let's build it.

GitHub Repo Suggestion:

github.com/yourname/hypermemory