# 🏛 Mnemosyne

AI-Powered Note-Taking with **RAG** · 100% Local on Your PC

🔒 Local-First · 🧺 AI-Organised · 🧠 Knowledge Graph

📥 **INPUT LAYER — HOW KNOWLEDGE ENTERS**

### Image Analysis
Upload photos, diagrams, handwriting. AI extracts & creates notes with optional custom prompts.

### Manual Notes
Create notes directly. Full control over content, tags, and wikilinks.

### Daily Journal
Fast capture throughout the day. Tasks, remarks, ideas appended to daily notes.

PLANNED

### PDF Import
Upload PDFs. AI extracts data, suggests tags & links for approval.

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all inputs feed into →

⚙ **AI PROCESSING ENGINE**

## ⚙ AI Processing Pipeline

**Analyse**
Content extraction

→

**Structure**
Note formatting

→

**Auto-Tag**
#topic detection

→

**Auto-Link**
[[wikilink]] creation

→

**Index**
Vector + graph

🏷 Auto #Tags · 🔗 Auto [[Wikilinks]] · 📎 Source Links

↓

## 💾 Knowledge Base (Local Storage)

📝 Notes + Metadata · 🏷 Tags & Wikilinks · 📎 Source Links · 🗄 Vector Embeddings · 📁 .md Files (AI Brain)

🎯 **OUTPUT LAYER — HOW YOU ACCESS KNOWLEDGE**

### 🧠 Brain
Visual knowledge graph of all notes and connections. The primary way to navigate, search, and discover.

- Interactive node-based graph
- Click nodes to open notes
- Discover topic clusters
- Filter by tags, date, type
- Find hidden connections

### 🤖 Mnemosyne AI
Ask questions about your notes. Get answers grounded in your personal knowledge base.

**🔍 RAG Search**
Precise retrieval from vector store. Find specific notes & answers.

**🧬 AI Brain**
Conversational AI with full context. Cross-topic insights & synthesis.

`askimap.md` `memory.md` `soul.md` `topics/*.md`

🔒 **100% Local · Your Data Never Leaves Your Machine**

Mnemosyne — Your memory, your knowledge, your machine.