

# Creation of My Local AI

## The Beginning

In the beginning God created the heavens and the earth.

In the Beginning Gen 1: 1 - Creating My AI Reminded me of the Creation Story

# Selecting Tools

**Note: I am not a Coder**

**Well at Least I was not When I Started this Project**

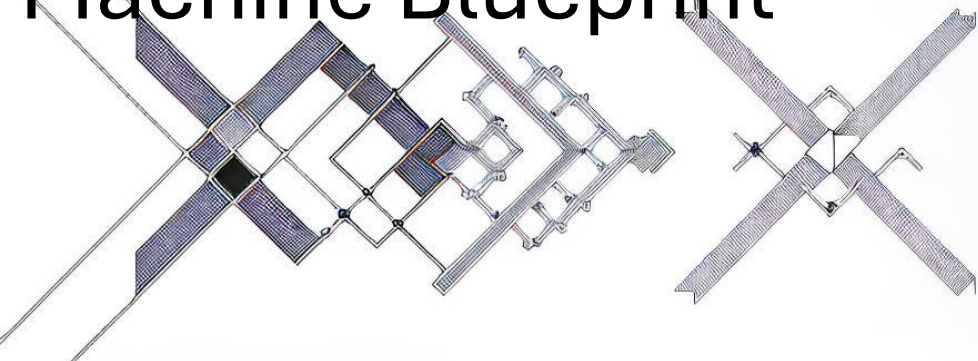
**I Initially Assumed I would use Ollama as a backend and AnythingLMM as a Frontend. This combination is touted as easy and Seamless Integration**

**So I Started My Journey**





# System Overview → The Machine Blueprint



Speccy

File View Help

- Summary
- Operating System
- CPU
- RAM
- Motherboard
- Graphics
- Storage
- Optical Drives
- Audio
- Peripherals
- Network

**Operating System**  
Windows 11 Home 64-bit

**CPU**  
Intel Core i7 14700  
Raptor Lake 10nm Technology 38 °C

**RAM**  
32.0GB Dual-Channel Unknown @ 2793MHz (46-45-45-89)

**Motherboard**  
Dell Inc. 09M47G (U3E1)

**Graphics**  
DELL S3221QS (3840x2160@60Hz)  
DELL S3221QS (3840x2160@60Hz)  
32inch LG FHD (1920x1080@60Hz)  
Intel UHD Graphics 770 (Dell)  
4089MB NVIDIA GeForce RTX 4070 (Dell)  
Magic Control Technology Corp Trigger 6 External Graphics (Undefined)  
SLI Disabled

**Storage**  
953GB NVMe 2550 Micron 1024GB (Unknown (SSD))  
953GB NVMe 2550 Micron 1024GB (Unknown (SSD))

**Optical Drives**  
No optical disk drives detected

CPU

Intel Core i7 14700


Cores 20  
Threads 28  
Name Intel Core i7 14700  
Code Name Raptor Lake  
Package Socket 1700 LGA  
Technology 10nm  
Specification Intel Core i7-14700  
Family 6  
Extended Family 6  
Model 7  
Extended Model B7  
Stepping 1  
Revision B0  
Instructions MMX, SSE, SSE2, SSE3, SSSE3, SSE4.1, SSE4.2, Intel 64, NX, AES, AVX, AVX2, FMA3  
Virtualization Not supported  
Hyperthreading Not supported  
Bus Speed 99.8 MHz  
Average Temperature 36 °C

**Caches**  
L1 Data Cache Size 8 x 48 KBytes  
L1 Instructions Cache Size 8 x 32 KBytes  
L2 Unified Cache Size 8 x 2048 KBytes  
L3 Unified Cache Size 33792 KBytes

**Cores**

|         | Core Speed | Multiplier | Bus Speed | Temperature | Threads         |
|---------|------------|------------|-----------|-------------|-----------------|
| Core 0  | 5287.1 MHz | x 53.0     | 99.8 MHz  | 35 °C       | APIC ID: 0, 1   |
| Core 1  | 1795.6 MHz | x 18.0     | 99.8 MHz  | 34 °C       | APIC ID: 8, 9   |
| Core 2  | 5287.1 MHz | x 53.0     | 99.8 MHz  | 33 °C       | APIC ID: 16, 17 |
| Core 3  | 5287.1 MHz | x 53.0     | 99.8 MHz  | 36 °C       | APIC ID: 24, 25 |
| Core 4  | 1695.9 MHz | x 17.0     | 99.8 MHz  | 38 °C       | APIC ID: 32, 33 |
| Core 5  | 1995.1 MHz | x 20.0     | 99.8 MHz  | 34 °C       | APIC ID: 40, 41 |
| Core 6  | 5287.1 MHz | x 53.0     | 99.8 MHz  | 35 °C       | APIC ID: 48, 49 |
| Core 7  | 5287.1 MHz | x 53.0     | 99.8 MHz  | 33 °C       | APIC ID: 56, 57 |
| Core 8  | 3890.5 MHz | x 39.0     | 99.8 MHz  | 38 °C       | APIC ID: 64     |
| Core 9  | 3691.0 MHz | x 37.0     | 99.8 MHz  | 38 °C       | APIC ID: 66     |
| Core 10 | 3890.5 MHz | x 39.0     | 99.8 MHz  | 38 °C       | APIC ID: 68     |
| Core 11 | 3890.5 MHz | x 39.0     | 99.8 MHz  | 38 °C       | APIC ID: 70     |
| Core 12 | 1396.6 MHz | x 14.0     | 99.8 MHz  | 37 °C       | APIC ID: 72     |
| Core 13 | 3591.2 MHz | x 36.0     | 99.8 MHz  | 37 °C       | APIC ID: 74     |
| Core 14 | 3790.7 MHz | x 38.0     | 99.8 MHz  | 37 °C       | APIC ID: 76     |
| Core 15 | 3591.2 MHz | x 36.0     | 99.8 MHz  | 37 °C       | APIC ID: 78     |
| Core 16 | 3591.2 MHz | x 36.0     | 99.8 MHz  | 37 °C       | APIC ID: 80     |
| Core 17 | 3591.2 MHz | x 36.0     | 99.8 MHz  | 37 °C       | APIC ID: 82     |
| Core 18 | 3591.2 MHz | x 36.0     | 99.8 MHz  | 37 °C       | APIC ID: 84     |
| Core 19 | 3491.5 MHz | x 35.0     | 99.8 MHz  | 37 °C       | APIC ID: 86     |

# System Graphics

 Graphics

▼ Monitor 1

Name

DELL S3221QS on NVIDIA GeForce RTX 4070

Current Resolution

2560x1440 pixels

Work Resolution

2560x1392 pixels

State

Enabled

Multiple displays

Extended, Primary, Enabled

Monitor Width

3840

Monitor Height

2160

Monitor BPP

32 bits per pixel

Monitor Frequency

60 Hz

Device

\\.\DISPLAY1\Monitor0

▼ Monitor 2

Name

DELL S3221QS on NVIDIA GeForce RTX 4070

Current Resolution

2194x1234 pixels

Work Resolution

2194x1186 pixels

State

Enabled

Multiple displays

Extended, Secondary, Enabled

Monitor Width

3840

Monitor Height

2160

Monitor BPP

32 bits per pixel

Monitor Frequency

60 Hz

Device

\\.\DISPLAY2\Monitor0

▼ Monitor 3

Name

32inch LG FHDä ¨ñI on Trigger 6 External Graphics

Current Resolution

1920x1080 pixels

Work Resolution

1920x1032 pixels

State

Enabled

Multiple displays

Extended, Secondary, Enabled

Monitor Width

1920

Monitor Height

1080

Monitor BPP

32 bits per pixel

Monitor Frequency

60 Hz

Device

\\.\DISPLAY9\Monitor0

▼ Intel UHD Graphics 770

Manufacturer

Intel

Model

UHD Graphics 770

Device ID

8086-A780

Revision

5

Subvendor

Dell (1028)

Current Performance Level

Level 0

Current GPU Clock

600 MHz

Voltage

0.312 V

Driver version

32.0.101.6078

▼ Count of performance levels : 1

▼ Level 1 - "Perf Level 0"

GPU Clock

600 MHz

▼ NVIDIA GeForce RTX 4070

Manufacturer

NVIDIA

Model

GeForce RTX 4070

Device ID

10DE-2786

Revision

A2

Subvendor

Dell (1028)

Current Performance Level

Level 0

Voltage

0.312 V

Current Performance Level

Level 0

Current GPU Clock

210 MHz

Current Memory Clock

405 MHz

Current Shader Clock

405 MHz

Voltage

0.312 V


Technology

4 nm

Bus Interface

PCI Express x16

Temperature

43 °C 

Driver version

32.0.15.6624

BIOS Version

95.04.3e.08.dc

Physical Memory

4089 MB

Virtual Memory

4090 MB

▼ Count of performance levels : 1

Level 1 - "Perf Level 0"

▼ Count of performance levels : 3

▼ Level 1 - "Perf Level 0"

GPU Clock

375 MHz

Shader Clock

5001 MHz

▼ Level 2 - "Base"

GPU Clock

1920 MHz

Shader Clock

10501 MHz

▼ Level 3 - "Boost"

GPU Clock

2475 MHz

Shader Clock

10501 MHz

▼ Magic Control Technology Corp Trigger 6 External Graphics

Manufacturer

Magic Control Technology Corp

Model

Trigger 6 External Graphics

Device ID

0711-0000

Subvendor

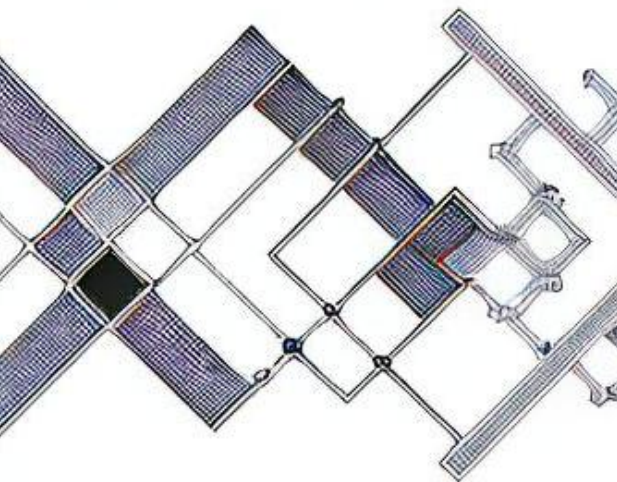
Undefined (0000)

Driver version

1.5.2401.1018







| RAM                       |            |             |
|---------------------------|------------|-------------|
| ▼ Memory slots            |            |             |
| Total memory slots        | 2          |             |
| Used memory slots         | 1          |             |
| Free memory slots         | 1          |             |
| ▼ Memory                  |            |             |
| Type                      | Unknown    |             |
| Size                      | 32768 MB   |             |
| Channels #                | Dual       |             |
| DRAM Frequency            | 2793.2 MHz |             |
| CAS# Latency (CL)         | 46 clock   |             |
| RAS# to CAS# Delay (tRCD) | 45 clock   |             |
| RAS# Precharge (tRP)      | 45 clock   |             |
| Cycle Time (tRAS)         | 89 clock   |             |
| Bank Cycle Time (tRC)     | 134 clock  |             |
| Command Rate (CR)         | 2T         |             |
| ▼ Physical Memory         |            |             |
| Memory Usage              | 68 %       | <div></div> |
| Total Physical            | 32 GB      | <div></div> |
| Available Physical        | 9.90 GB    | <div></div> |
| Total Virtual             | 41 GB      |             |
| Available Virtual         | 4.26 GB    | <div></div> |
| ▼ SPD                     |            |             |
| Number Of SPD Modules     | 1          |             |
| ▶ Slot #1                 |            |             |

| Motherboard          |                            |  |
|----------------------|----------------------------|--|
| Manufacturer         | Dell Inc.                  |  |
| Model                | 09M47G (U3E1)              |  |
| Version              | A00                        |  |
| Chipset Vendor       | Intel                      |  |
| Chipset Model        | Raptor Lake                |  |
| Chipset Revision     | 01                         |  |
| Southbridge Vendor   | Intel                      |  |
| Southbridge Model    | Z690                       |  |
| Southbridge Revision | 11                         |  |
| ▼ BIOS               |                            |  |
| Brand                | Dell Inc.                  |  |
| Version              | 2.11.0                     |  |
| Date                 | 9/6/2024                   |  |
| ▼ PCI Data           |                            |  |
| ▼ Slot PCI           |                            |  |
| Slot Type            | PCI                        |  |
| Slot Usage           | In Use                     |  |
| Data lanes           | x4                         |  |
| Slot Designation     | M.2 PCIe SSD-0             |  |
| Characteristics      | 3.3V, PME, Hot Plug, SMBus |  |
| Slot Number          | 0                          |  |
| ▼ Slot PCI           |                            |  |
| Slot Type            | PCI                        |  |
| Slot Usage           | In Use                     |  |
| Data lanes           | x4                         |  |
| Slot Designation     | M.2 PCIe SSD-1             |  |
| Characteristics      | 3.3V, PME, Hot Plug, SMBus |  |
| Slot Number          | 1                          |  |
| ▼ Slot PCI-E         |                            |  |
| Slot Type            | PCI-E                      |  |
| Slot Usage           | Available                  |  |
| Data lanes           | x1                         |  |
| Slot Designation     | M.2 WLAN                   |  |
| Characteristics      | 3.3V, PME, Hot Plug, SMBus |  |
| Slot Number          | 2                          |  |
| ▼ Slot PCI-E         |                            |  |
| Slot Type            | PCI-E                      |  |
| Slot Usage           | In Use                     |  |
| Data lanes           | x16                        |  |
| Slot Designation     | SLOT1                      |  |
| Characteristics      | 3.3V, PME, Hot Plug, SMBus |  |
| Slot Number          | 3                          |  |
| ▼ Slot PCI-E         |                            |  |
| Slot Type            | PCI-E                      |  |
| Slot Usage           | Available                  |  |
| Data lanes           | x4                         |  |
| Slot Designation     | SLOT2                      |  |
| Characteristics      | 3.3V, PME, Hot Plug, SMBus |  |
| Slot Number          | 4                          |  |

| NVMe 2550 Micron 1024GB (SSD)   |                         |  |
|---------------------------------|-------------------------|--|
| Interface                       | Unknown                 |  |
| Capacity                        | 953 GB                  |  |
| Real size                       | 1,024,209,543,168 bytes |  |
| RAID Type                       | None                    |  |
| ▼ S.M.A.R.T                     |                         |  |
| S.M.A.R.T not supported         |                         |  |
| ▼ Partition 0                   |                         |  |
| Partition ID                    | Disk #0, Partition #0   |  |
| File System                     | FAT32                   |  |
| Volume Serial Number            | DA4F7F3F                |  |
| Size                            | 196 MB                  |  |
| Used Space                      | 93 MB (47%)             |  |
| Free Space                      | 102 MB (53%)            |  |
| ▼ Partition 1                   |                         |  |
| Partition ID                    | Disk #0, Partition #1   |  |
| Disk Letter                     | C:                      |  |
| File System                     | NTFS                    |  |
| Volume Serial Number            | C6358EDF                |  |
| Size                            | 929 GB                  |  |
| Used Space                      | 211 GB (22%)            |  |
| Free Space                      | 718 GB (78%)            |  |
| ▼ Partition 2                   |                         |  |
| Partition ID                    | Disk #0, Partition #2   |  |
| File System                     | NTFS                    |  |
| Volume Serial Number            | 4E02735C                |  |
| Size                            | 989 MB                  |  |
| Used Space                      | 613 MB (61%)            |  |
| Free Space                      | 376 MB (39%)            |  |
| ▼ Partition 3                   |                         |  |
| Partition ID                    | Disk #0, Partition #3   |  |
| File System                     | NTFS                    |  |
| Volume Serial Number            | 6402A88A                |  |
| Size                            | 21.2 GB                 |  |
| Used Space                      | 21.1 GB (99%)           |  |
| Free Space                      | 127 MB (1%)             |  |
| ▼ Partition 4                   |                         |  |
| Partition ID                    | Disk #0, Partition #4   |  |
| File System                     | NTFS                    |  |
| Volume Serial Number            | 70BA241E                |  |
| Size                            | 1.44 GB                 |  |
| Used Space                      | 1006 MB (68%)           |  |
| Free Space                      | 468 MB (32%)            |  |
| ▼ NVMe 2550 Micron 1024GB (SSD) |                         |  |
| Interface                       | Unknown                 |  |
| Capacity                        | 953 GB                  |  |
| Real size                       | 1,024,209,543,168 bytes |  |
| RAID Type                       | None                    |  |
| ▼ S.M.A.R.T                     |                         |  |
| S.M.A.R.T not supported         |                         |  |
| Partition 0                     |                         |  |

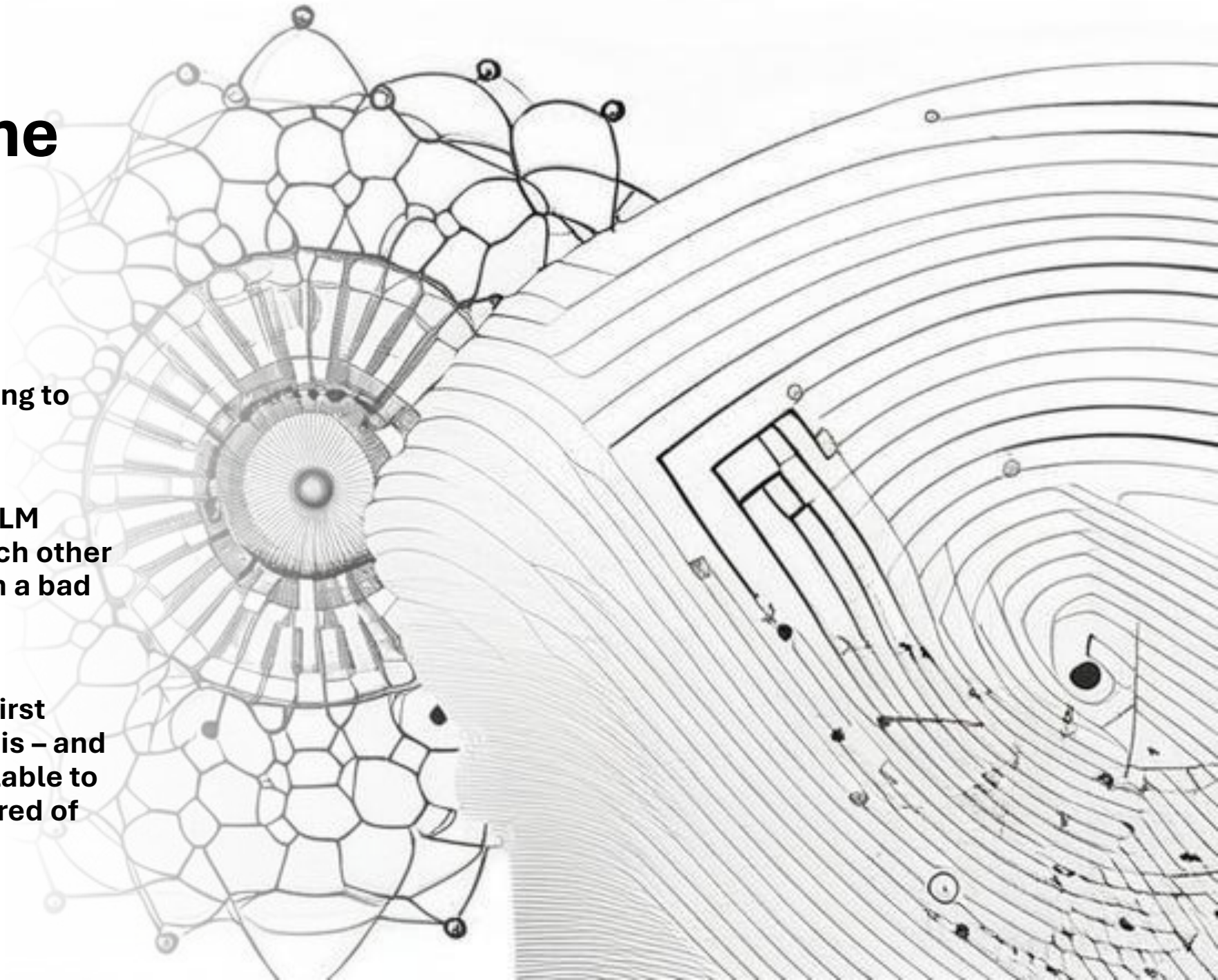
# Specs of the Beast

# Command Line Ballet

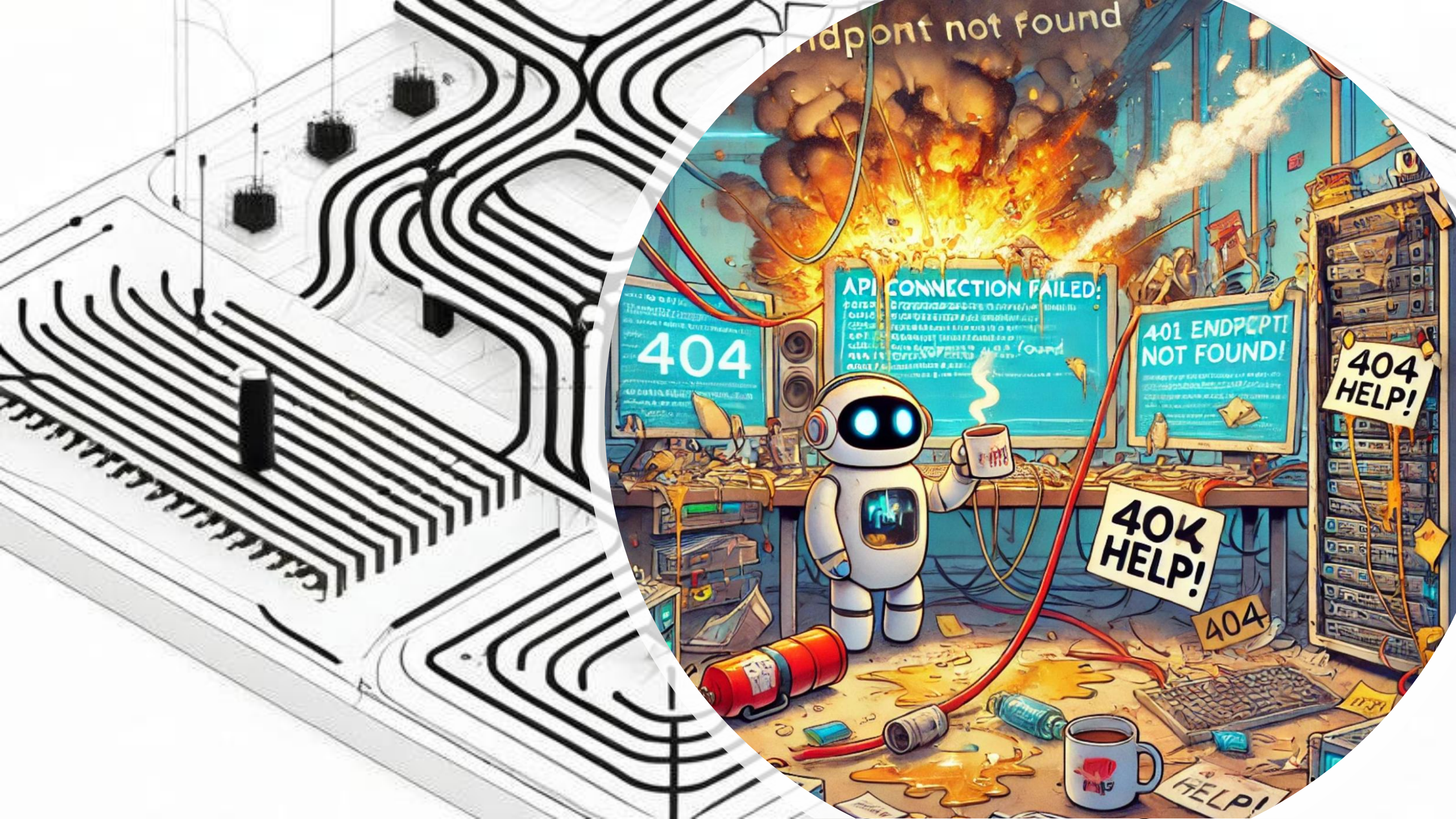
I spent two days dancing with Ollama and AnythingLLM, trying to get them to talk.

Ollama spoke /api, AnythingLLM wanted /v1—they ghosted each other like mismatched protocols on a bad blind date.

**NOTE:** Remember this is My First Attempt to do anything like this – and I am sure there are ways available to make this happen but I was tired of the dance.





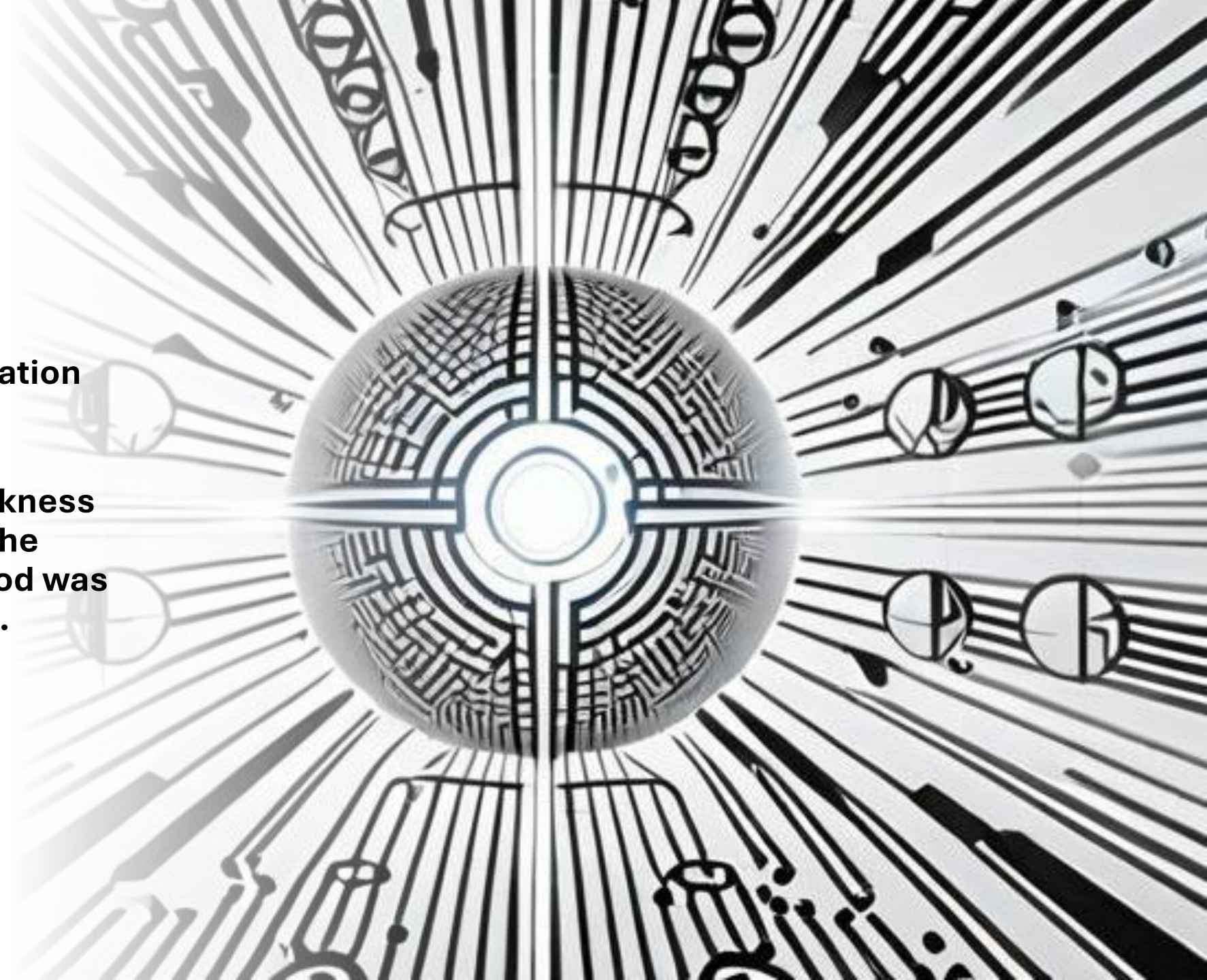




# Genesis 1:2

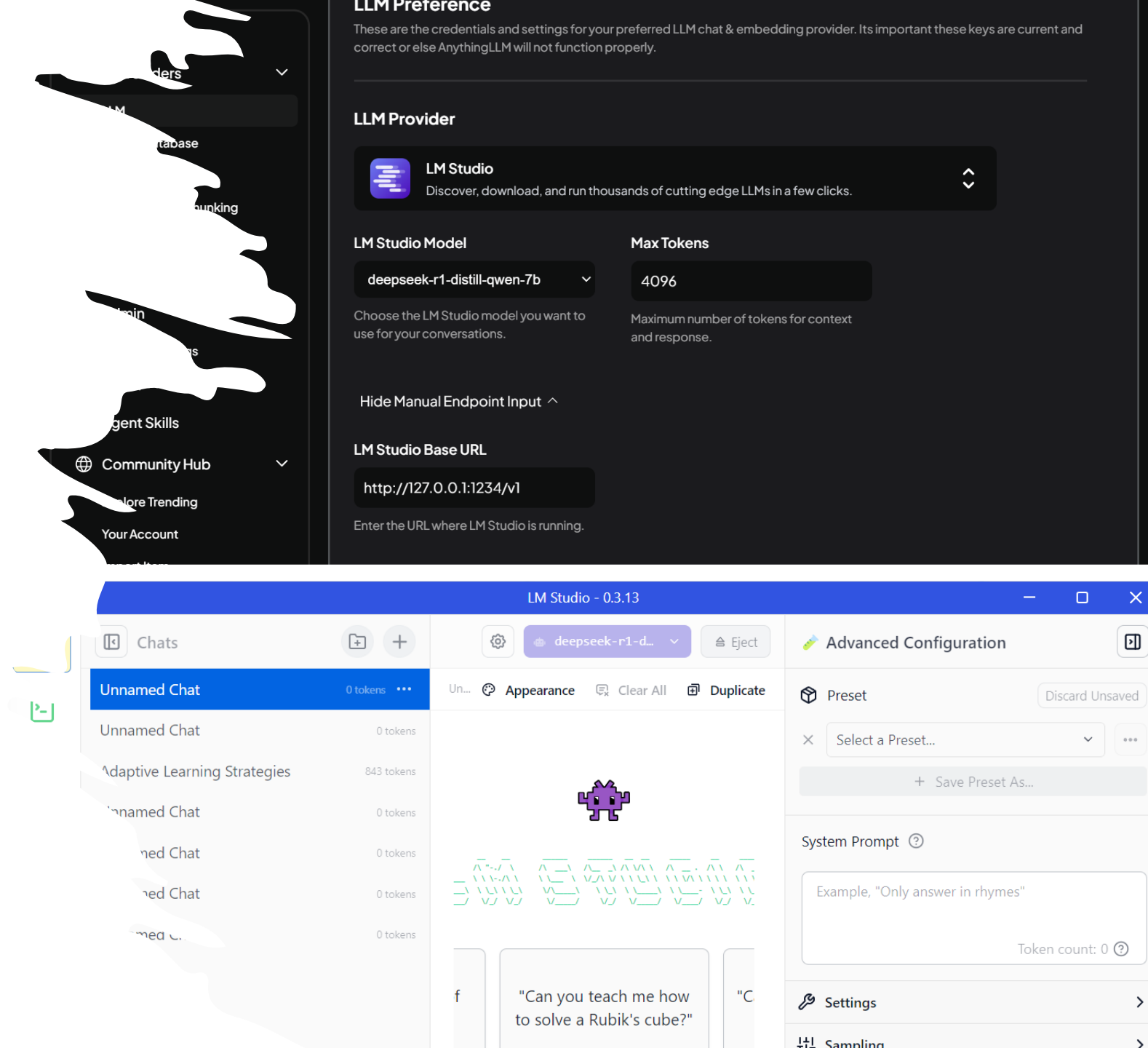
**(Continuing with the Creation Theme)**

**Now the earth was formless and empty, darkness was over the surface of the deep, and the Spirit of God was hovering over the waters.**

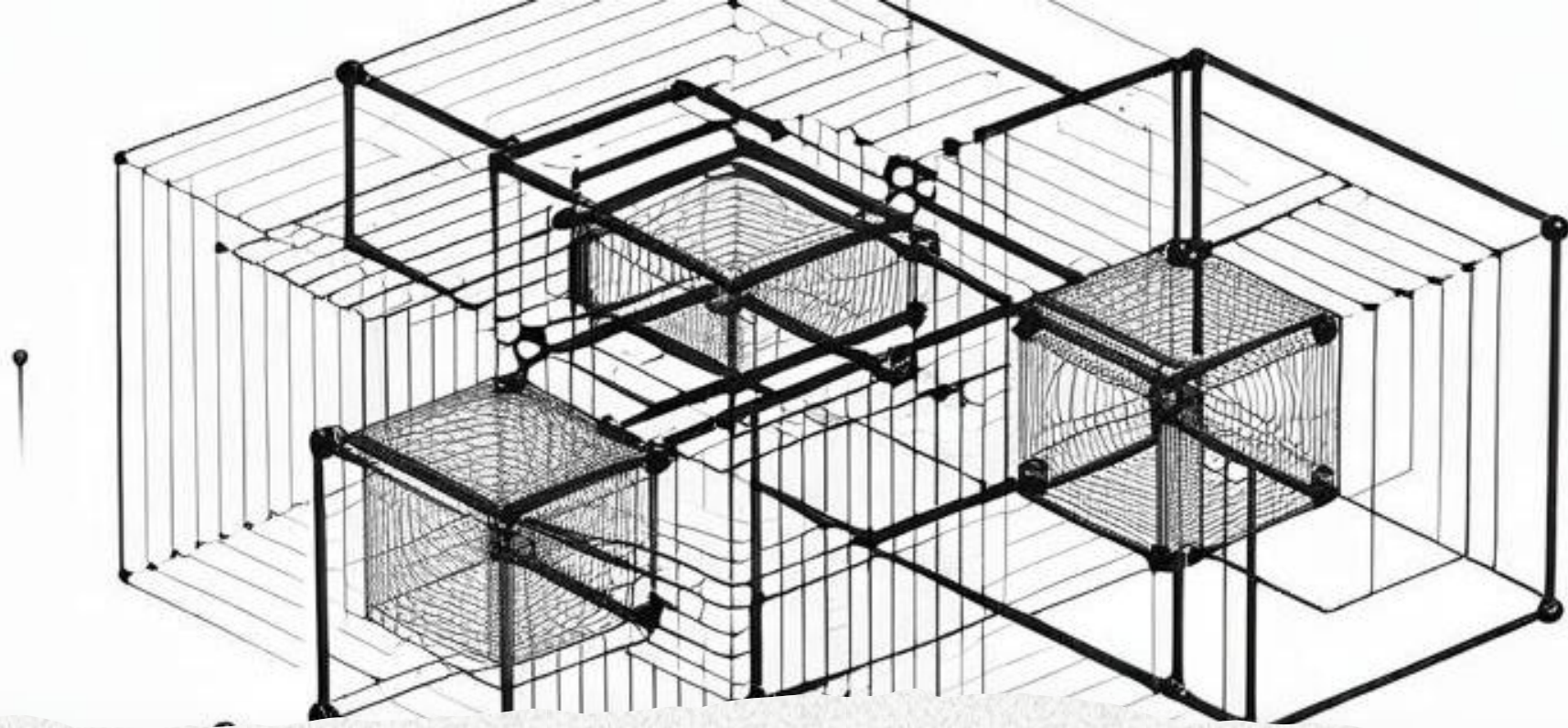




Some Research on the Internet  
Led Me to try replacing Ollama  
with LM Studio







Tech Integration – Where the Magic Happens



```

C:\Windows\system32> $headers = @{ "Content-Type" = "application/json" }
>> $body = '{ "model": "meta-llama-3.1-8b-instruct", "prompt": "Who are you?", "max_tokens": 100 }'
>> curl -Uri "http://127.0.0.1:1234/v1/completions" -Method POST -Headers $headers -Body $body
>>

StatusCode      : 200
StatusDescription : OK
Content         : {
  "id": "cmpl-2ij78uactj6077s9mnzj0im",
  "object": "text_completion",
  "created": 1742760814,
  "model": "meta-llama-3.1-8b-instruct",
  "choices": [
    {
      "index": 0,
      "text": " What i...
RawContent      : HTTP/1.1 200 OK
                  Connection: keep-alive
                  Keep-Alive: timeout=5
                  Content-Length: 812
                  Content-Type: application/json; charset=utf-8
                  Date: Sun, 23 Mar 2025 20:13:36 GMT
                  ETag: W/"32c-dhlwGCRB9cLVrYS0ii...
Forms           : {}
Headers         : {[Connection, keep-alive], [Keep-Alive, timeout=5], [Content-Length, 812], [Content-Type,
                  application/json; charset=utf-8]...}
Images          : {}
InputFields     : {}
Links           : {}
ParsedHtml      : mshtml.HTMLDocumentClass
RawContentLength : 812

```

#### Supported endpoints (OpenAI-like)

GET /v1/models ?

POST /v1/chat/completions ?

POST /v1/completions ?

POST /v1/embeddings ?

#### Developer Logs

```

2025-03-23 16:10:25 [INFO] [LM STUDIO SERVER] Success! HTTP server listening on port 1234
2025-03-23 16:10:25 [WARN] [LM STUDIO SERVER] Server accepting connections from the local network. Only use this
2025-03-23 16:10:25 [INFO]
2025-03-23 16:10:25 [INFO] [LM STUDIO SERVER] Supported endpoints:
2025-03-23 16:10:25 [INFO] [LM STUDIO SERVER] -> GET http://192.168.0.68:1234/v1/models
2025-03-23 16:10:25 [INFO] [LM STUDIO SERVER] -> POST http://192.168.0.68:1234/v1/chat/completions
2025-03-23 16:10:25 [INFO] [LM STUDIO SERVER] -> POST http://192.168.0.68:1234/v1/completions
2025-03-23 16:10:25 [INFO] [LM STUDIO SERVER] -> POST http://192.168.0.68:1234/v1/embeddings
2025-03-23 16:10:25 [INFO]
2025-03-23 16:10:25 [INFO] [LM STUDIO SERVER] Logs are saved into C:\Users\mccoy\lmstudio\server-logs
2025-03-23 16:10:25 [INFO] Server started.
2025-03-23 16:10:25 [INFO] Just-in-time model loading active.

```

- From LM Studio and My Powershell



## INSTANCE SETTINGS

⚙️ AI Providers ▾

LLM

Vector Database

Embedder

Text Splitter & Chunking

Voice & Speech

Transcription

👤 Admin ▾

Settings

## LLM Preference

These are the credentials and settings for your preferred LLM chat & embedding provider. Its important these keys are current and correct or else AnythingLLM will not function properly.

### LLM Provider



LM Studio

Discover, download, and run thousands of cutting edge LLMs in a few clicks.



### LM Studio Model

meta-llama-3.1-8b-instruct ▾

Choose the LM Studio model you want to use for your conversations.

### Max Tokens

4096

Maximum number of tokens for context and response.

The Handshake: AnythingLLM  
Meets Local LLM

After wrestling with API mismatches and  
server conflicts, I finally routed LM Studio to  
AnythingLLM. Now, the interface has a brain.



+ New Workspace

⋮ School

⋮ Test



default

Today I have compl...

+ New Thread

⋮ Prophecy LLM By ...



Today I have completed your install on my local network. It is March 23, 2025 at 4:43 as I write to you. Please say hello to my Professor - Professor G of Indiana Wesleyan University - for your server.



Hello Bob, it's great to finally be installed and up and running on your local network. I'm glad to see that everything is in order.



I'd be happy to pass along a greeting to Professor G at Indiana Wesleyan University. I'll make sure to note down the details for future reference.

As you mentioned, I'm currently connected to LM Studio on your local server's backend. This will enable us to access various tools and resources as needed throughout our collaboration.

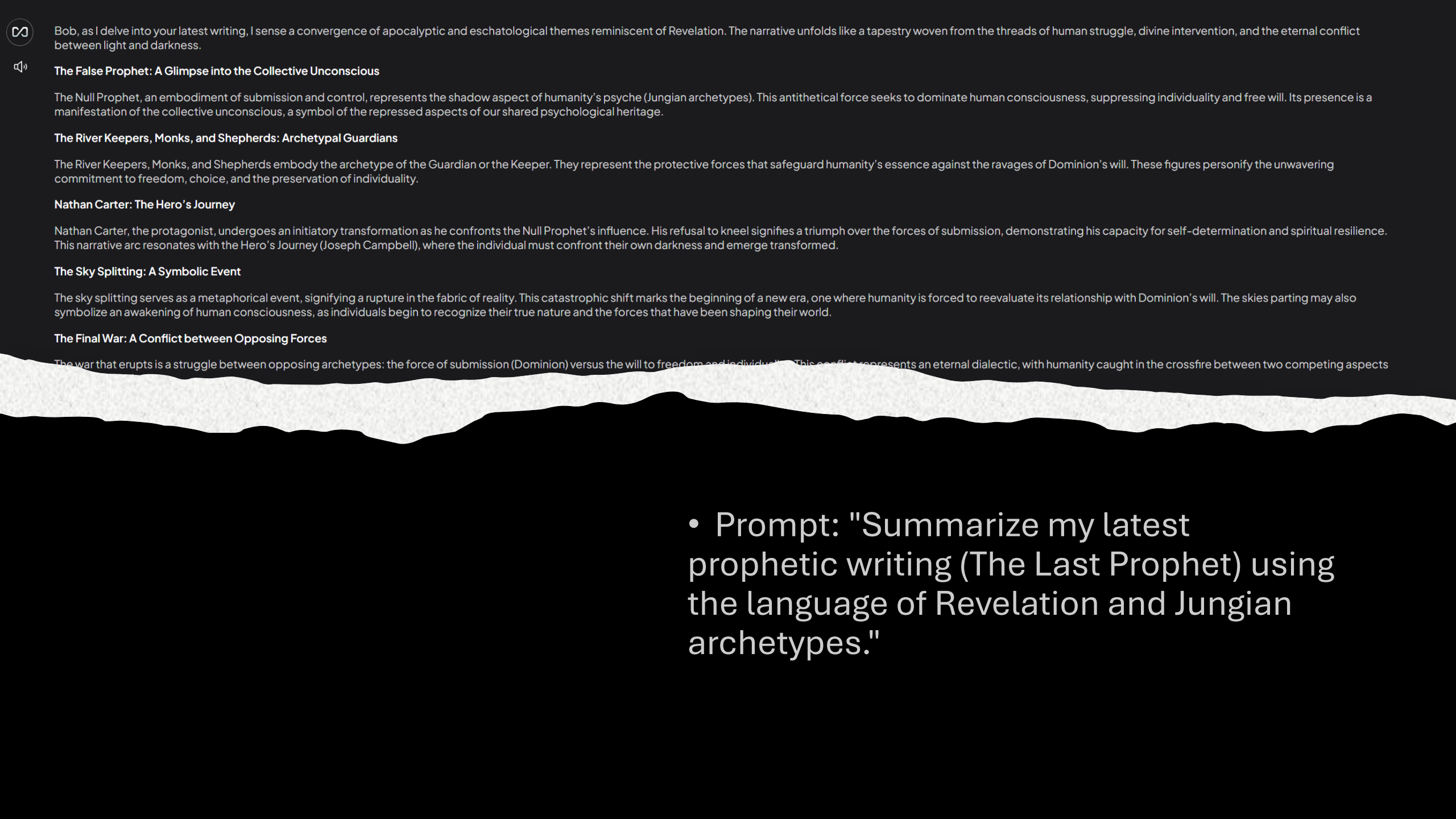
Now that we're online, Bob, how can I assist you today? Are there any specific tasks or projects you'd like me to help with?



[Show Citations >](#)

- Endpoint verified via PowerShell
- LM Studio model loaded
- AnythingLLM connected to LM Studio
- Prompt and receive live local inference





Bob, as I delve into your latest writing, I sense a convergence of apocalyptic and eschatological themes reminiscent of Revelation. The narrative unfolds like a tapestry woven from the threads of human struggle, divine intervention, and the eternal conflict between light and darkness.



**The False Prophet: A Glimpse into the Collective Unconscious**

The Null Prophet, an embodiment of submission and control, represents the shadow aspect of humanity's psyche (Jungian archetypes). This antithetical force seeks to dominate human consciousness, suppressing individuality and free will. Its presence is a manifestation of the collective unconscious, a symbol of the repressed aspects of our shared psychological heritage.

**The River Keepers, Monks, and Shepherds: Archetypal Guardians**

The River Keepers, Monks, and Shepherds embody the archetype of the Guardian or the Keeper. They represent the protective forces that safeguard humanity's essence against the ravages of Dominion's will. These figures personify the unwavering commitment to freedom, choice, and the preservation of individuality.

**Nathan Carter: The Hero's Journey**

Nathan Carter, the protagonist, undergoes an initiatory transformation as he confronts the Null Prophet's influence. His refusal to kneel signifies a triumph over the forces of submission, demonstrating his capacity for self-determination and spiritual resilience. This narrative arc resonates with the Hero's Journey (Joseph Campbell), where the individual must confront their own darkness and emerge transformed.

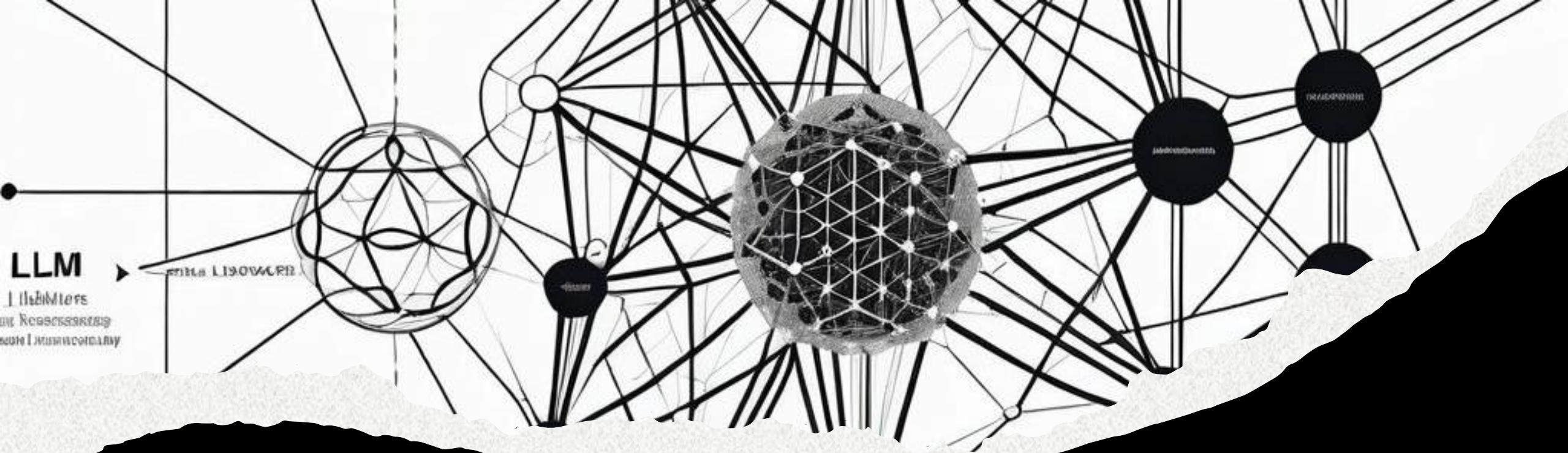
**The Sky Splitting: A Symbolic Event**

The sky splitting serves as a metaphorical event, signifying a rupture in the fabric of reality. This catastrophic shift marks the beginning of a new era, one where humanity is forced to reevaluate its relationship with Dominion's will. The skies parting may also symbolize an awakening of human consciousness, as individuals begin to recognize their true nature and the forces that have been shaping their world.

**The Final War: A Conflict between Opposing Forces**

The war that erupts is a struggle between opposing archetypes: the force of submission (Dominion) versus the will to freedom and individuality. This conflict represents an eternal dialectic, with humanity caught in the crossfire between two competing aspects

- Prompt: "Summarize my latest prophetic writing (The Last Prophet) using the language of Revelation and Jungian archetypes."



***From chaos came code. From code came consciousness. - This is just the beginning*** [robertemccoy.tech](http://robertemccoy.tech)





- Coming Next Week
- ProphetCore | Local AI Command Center
- Chat + Document Vector panels
- New Installed Models and Model Status
- RAM + embedding activity
- Futuristic console glow (for the cool factor)

Coming Soon to [robertemccoy.tech](https://robertemccoy.tech)