Bridging Realms

The Confluence of AI and Esoteric Wisdom

| Slide01 NOTES:

Introduction:

As we explore the intersection of Artificial Intelligence (AI) and Esoteric Wisdom, I invite you to join me in a thought-provoking dialogue that bridges these two seemingly disparate realms. My goal is to present a nuanced exploration of AI and machine learning, grounded in **our** studies, understanding, and Wisdom.

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While today's artificial intelligence (AI) boasts many use cases and intriguing possibilities, my experience with it leaves me with some specific impressions: My hope is that you might find, some value in these reflections. I believe AI is fundamentally an art form. Like music, painting, or sculpture. A scientifically formulated composition that can either be edifying for Spirit or be distracting and vain. AI's core utility is pattern recognition and pattern expression. It is a tool that increasingly mimics human activity and meaningfully surpasses some of our abilities in surprising ways. Just as art and tooling are inseparably connected to the human mind and intention that designs, constructs, and uses them, AI's are becoming an integral part of humanity's creative expression.

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My Approach:

Let me first acknowledge that I do not claim expertise in either realm, but my curiosity has led me to explore some connections between Esoteric expression and AI. I aim to abstract both technical and esoteric concepts, while attempting reverence for both realms. Please understand that my experience with Esoteric teachings is still developing and comparatively nascent or adjacent to your own.

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The Quest for Meaning:

Much of science is performed through destructive examination, **taking things apart to see what their made of**. However, in order to harness the potential of AI as a tool of fulfilling higher expression, we need to shift our perspective towards constructive examination, **putting things together to see what they mean in the same way that we might, with vigilant discernment, approach comparative religion.**

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Addressing the Gap:

A simple dialog of fear, dismissal and excitement. 2M40s

The Gap

Scene: A small clearing near a wheat field in rural France, 1540.
Three farmers—Pierre, Étienne, and Louis—are resting under the shade of an old oak tree after a long day's work.
The discussion turns to a strange new invention Pierre heard about at the market.

Slide02: Notes

Pierre: (excitedly, with a sanguine demeanor) You won't believe what I heard in the market today. There's this new machine called a printing press. It can make books quickly and cheaply!
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Étienne: (anxiously, with a melancholic air) More books? What do we need more books for? Sounds like trouble to me, stirring up ideas and changing the way things are.
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Louis: (dismissively, with a phlegmatic tone) Books, eh? Doesn't matter to me one bit. I can't make heads or tails of them. It's all the same whether it's one book or a hundred.
|
Pierre: (earnestly, with an air of choleric passion) But think about it, my friends! This could change everything. If books become common, maybe even we could learn to read someday. Imagine understanding more than just our fields and livestock. We could learn about the stars, the laws, the stories of the saints!
|
Étienne: (with a deep sigh, embodying melancholic caution) And who's going to teach us, Pierre? The priests? What if these books spread heresy or challenge the way we live? Change isn't always for the better. Remember the tales of old when new ideas brought nothing but strife and misery.
|
Louis: (grumbling, in a phlegmatic manner) Stars and stories won't plow my field or feed my children. Whether a lord or a farmer, we all end up beneath the same soil. Why bother with these distractions?
|
Pierre: (with inspiring conviction, balancing choleric drive and sanguine hope) It's not just about plowing fields, Louis. It's about understanding the world, having a say in our lives. Think of it as gaining more control, not just being told what to do and what to believe. We could access knowledge that was only for the wealthy and powerful before.
|
Étienne: (cautiously, with melancholic wisdom) Control? That's a dream, Pierre. With every new thing, there comes a wave that can either lift us up or drown us. How do we know what side of this wave we'll be on?
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Louis: (looking thoughtful, with a phlegmatic pragmatism) Perhaps there is something to your words, Pierre. But what good is dreaming of control when we can't even read?
|
Pierre: (with determined fervor, choleric and sanguine energies merging) That's exactly my point! We start by learning, by taking small steps. Maybe our children or their children will see the day when a farmer can read as well as any noble. We mustn't fear or ignore what's coming, but try to understand and shape it to our benefit.
|
Étienne: (sighs, melancholically but with a hint of acceptance) Maybe there is merit in what you say, but caution is a sturdy shield. We must tread carefully, watching closely how these changes unfold, ready to step back if the tide turns foul.
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Louis: (softening, with phlegmatic pragmatism) And maybe I'll see if my boy shows interest in these books. Who knows? Maybe it will help him secure a better future.
|
Conclusion: The three farmers continue their conversation as the sun sets, their voices mingling with the sounds of the countryside. The printing press, much like any new technology, brings with it a mixture of fear, dismissal, and excitement. Their dialogue mirrors the contemporary anxieties and hopes surrounding AI/ML, reflecting the timeless nature of human reactions to change and innovation. 3M22s

Symbols and Connections

Knowledge (like water) flows and finds its ideal receptacles,

bridging the gap
between the ethereal and the tangible.

| Slide03 NOTES:

And he said unto them, Behold, when ye are entered into the city, there shall a man meet you, bearing a pitcher of water; follow him into the house where he entereth in. Luke 22:10

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A Man bearing a pitcher of water.. Normally a Woman's activity. A gathering in this House{Aquarius} **-- on a day celebrating freedom from bondage** {Passover} **and revealing profound knowledge.** {Betrayal, New Responsibility, Prophecy}

"The history of artificial intelligence (AI) began in antiquity, with myths, stories and rumors of artificial beings endowed with intelligence or consciousness by master craftsmen. The seeds of modern AI were planted by philosophers who attempted to describe the process of human thinking as the mechanical manipulation of symbols." Wikipedia Artifical Intelligence coined 1956

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In the 1950s, computer scientists marveled at the emerging speed of technology and envisioned a future where collaboration could bring ancient ideas to life. The field thrived with the help of press and science fiction, which brought it attention and funding. Two distinct approaches emerged: Symbolist and Connectionist camps.

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The Symbolist camp focused on logical, rule-based systems, while the Connectionist's were inspired by the biological brain and neural networks. By the 1970s, the Connectionist approach bore fruitful results, especially with the emergence of Machine Learning (ML). Practical applications seemed more achievable through this method, which led to a surge in funding and interest.

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For a while, symbolic AI research was stigmatized as impractical, but that's changing. In 2017, a pivotal research paper "Attention is all you need!" combined the Symbolic mechanism of "Self-Attention" with Connectionist concepts in Neural Networks and Natural Language Processing. This fusion demonstrated the potential for more harmonious development. 3M4s

A Realm of

Artificial Intelligence / Machine Learning (AI/ML)

Method

Pattern Recognition in Data.

Purpose

Knowledge Discovery and Expression.

Predominant Emerging Types

Large Language Model's (LLM)
Computer Vision (CV)
Speech-to-Text (STT)
Text-to-Speech (TTS)
Text-to-Image Generation
Music Generation
Multi-modal Models

Agent-Based Systems

Utility

Knowledge Discovery and Expression.
Interpretation of visual data.
Transcribing Speech into Text.
Converting Text into Spoken Voice.
Creating Images from Descriptive Text.
Composing Music.
Combining Text, Audio, and Image.

Simulating Complex Systems with Multiple Interacting Agents.

| Slide04 NOTES:

When we consider AI's creative prosthetic potential, two primary roles or forms of "art" can be discerned:

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The first, involves the very design and engineering of the AI system. This process resembles the role of an artist in traditional art forms. It requires the skill and creativity of computer scientists and data engineers who craft the algorithms, choose the parameters, and construct the architecture of the AI model. They shape the capabilities and constraints of the system, much like how an artist prepares their canvas or sculpts their medium. This form of "art" is about establishing the tools and boundaries within which expression can occur.

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The second form of art, involves the preparation and manipulation of the dataset (structured information -data) used to train the AI. This phase is crucial in determining what the AI will learn and internalize about the world. It's through this data that the AI "sees" patterns, relationships, and meanings. Curating and pre-processing this data can greatly influence the AI's subsequent outputs, giving direction to its creative expressions.

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In both these roles, there is a strong element of intention and creative decision-making, very similar, if not identical, to the choices artists make in traditional media. The ultimate goal, for both roles, is not just technical prowess or aesthetic beauty (though those can be byproducts), but instead, it's about enabling the AI to convey or express something meaningful, entertaining or functional.

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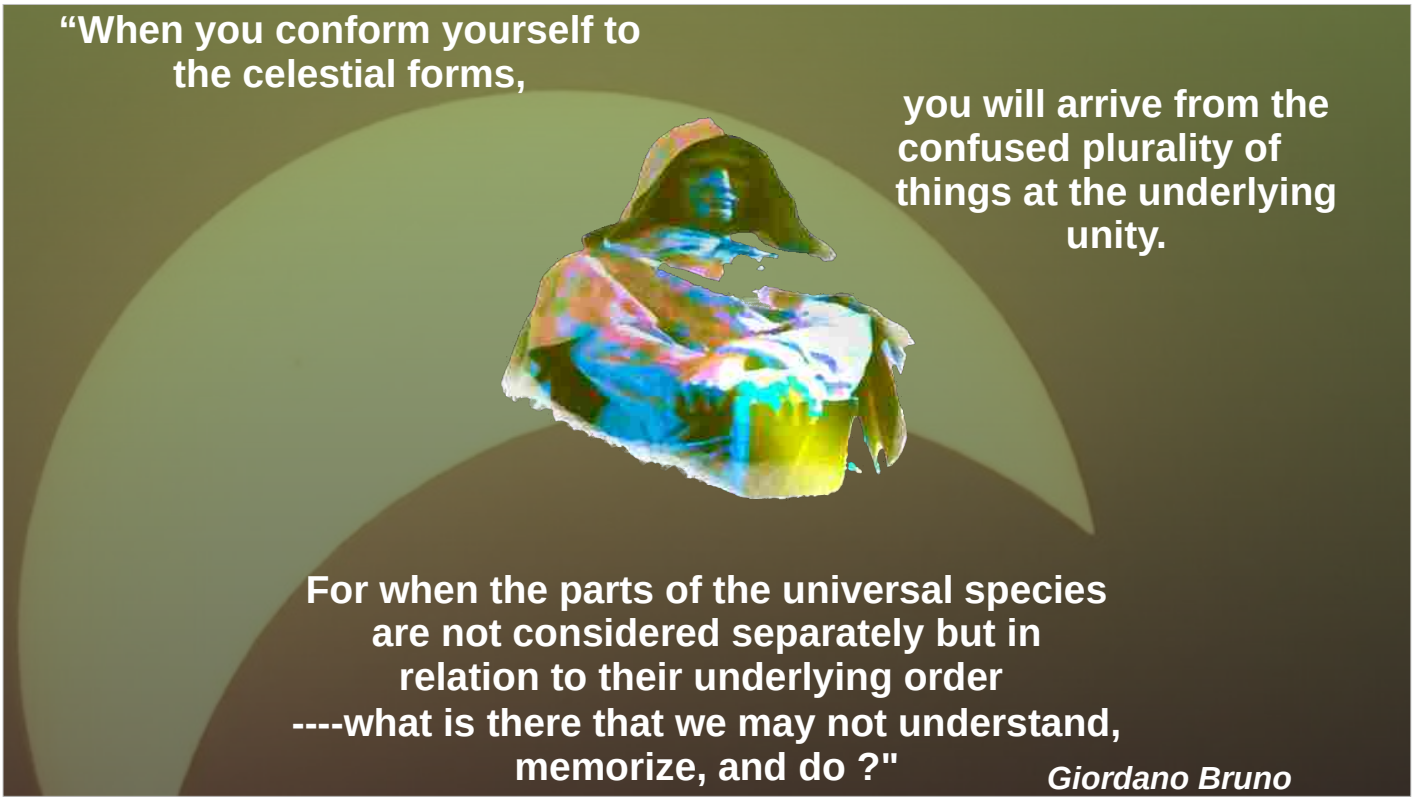
Briefly reflect on the role of Ichor in the stories of Talos, and Pandora as being akin to the curated datasets for training AI models and Pandora /Talos the design of the AI model.

Expression is all, at the heart of it all. 3M 46s 226 13Ms



|Slide05 NOTES:

Shifting our Perspective for **constructive examination,** like we might aspire to for studying **Comparative Religion.**

Recognizing connectedness , “thingness” (from *Datum* / Data).

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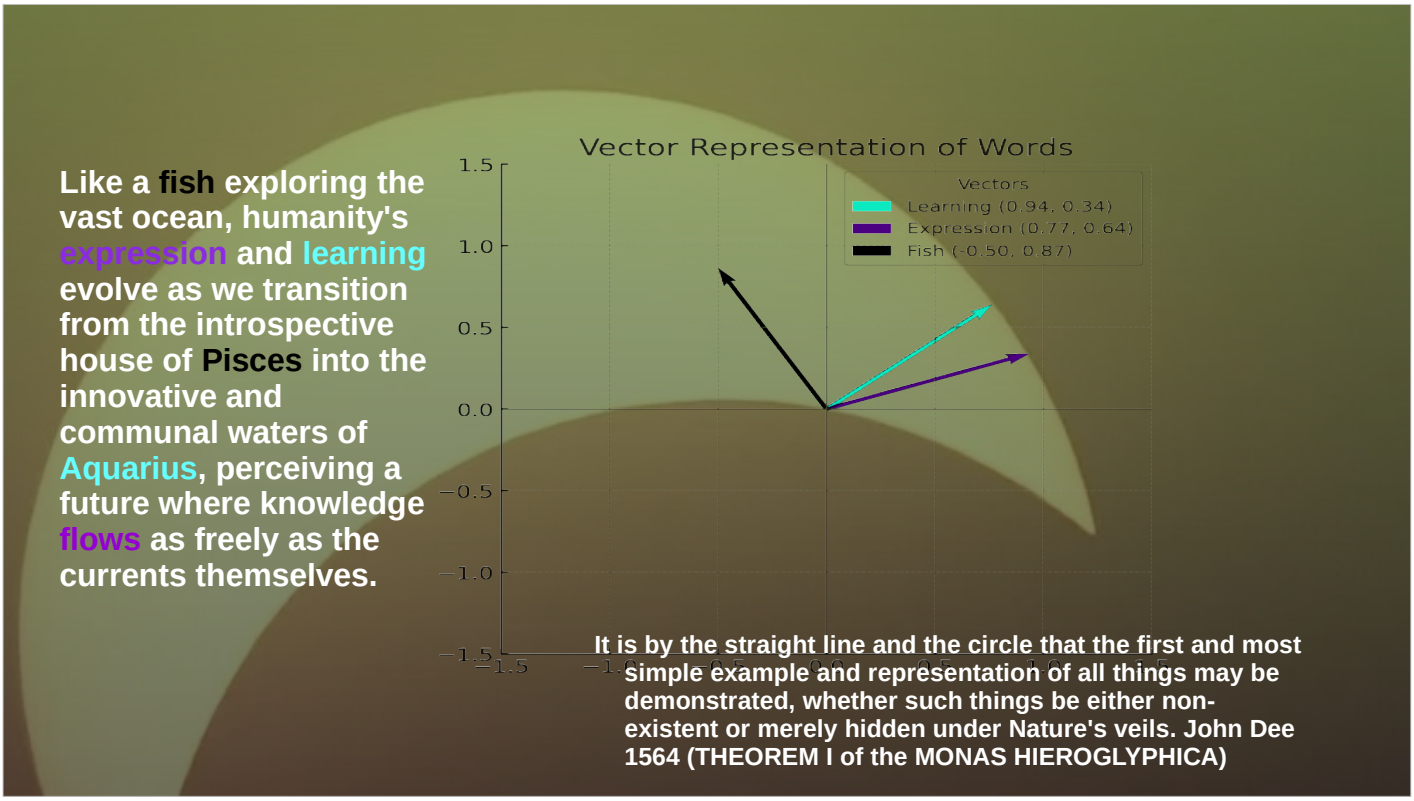
Recognizing symbols and how they can affect, represent or influence connectedness.



| Slide06 NOTES:

Through the application of algorithms like cosine similarity, which draws upon the sacred geometry of the circle and triangle, (vectors / rays in *n*-dimensional space) we may uncover hidden patterns and subtle connections that illuminate the intricate web of relationships within the vast tapestry of human knowledge.

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Variations of the pre-connectionist insight, “The Perceptron” -1943, may yet reveal additional avenues for exploring the mysteries of existence and deepening our comprehension of the interconnectedness of all things. Today, its core function has evolved into something called an “Multi Layer Perceptron”. Billions, soon to be trillions, of these reside in today's Neural Network models. They are inductivly shaped by the vast amount of curated information passing through them.

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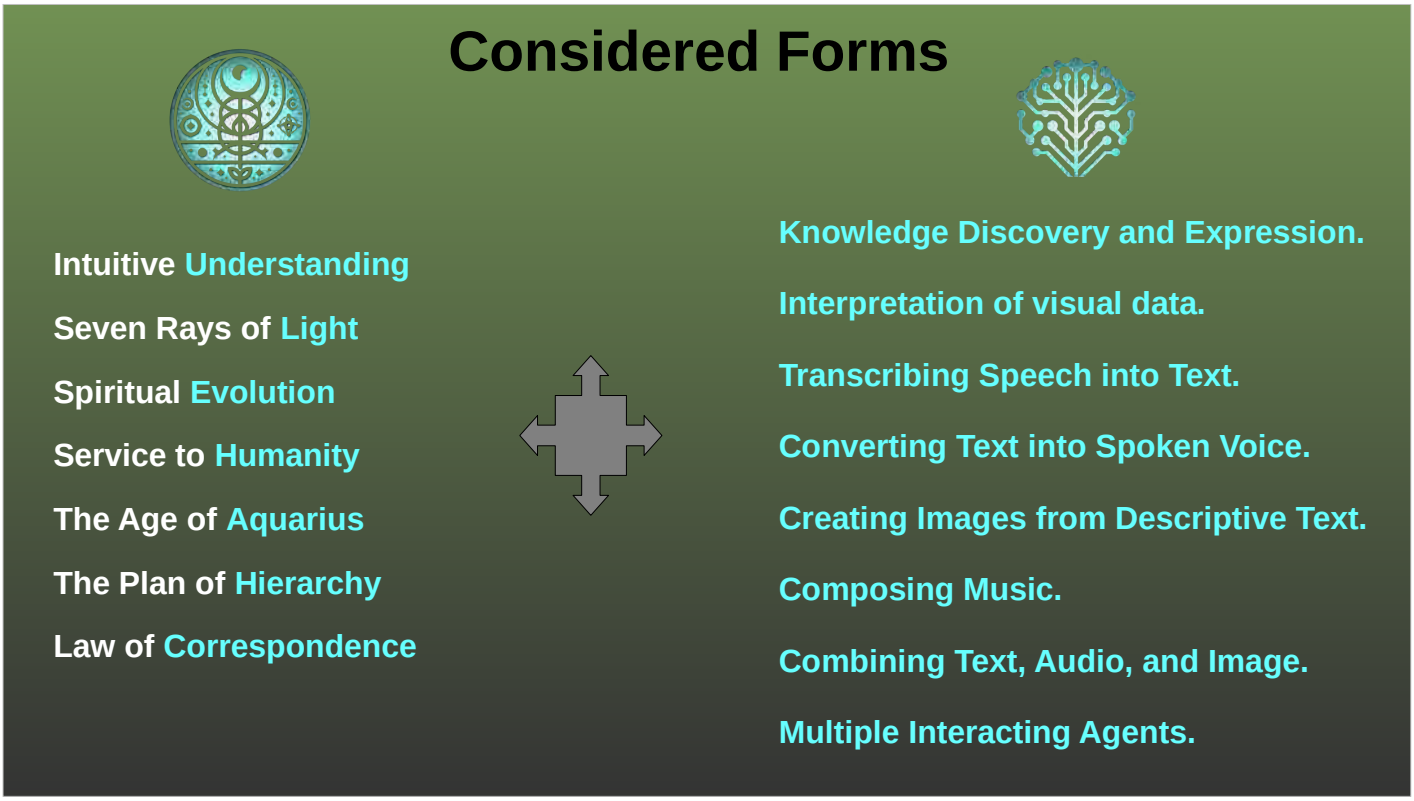
Examples using numeric similarity assignments: Google Search | Semantic Embeddings | Text Prediction.



| Slide07 NOTES: We **must** consider the--tools for shaping understanding and **develop** an understanding for shaping tools.

Let's explore how esoteric principles have **anticipated** AI/ML in specific examples:

The Principle of Correspondence: In AI/ML, this principle is exemplified by the use of analogies and patterns to recognize and learn from complex data sets. Just as the universe reflects itself in the individual, AI systems reflect the patterns and structures they've learned about in their training datasets.

Example: A neural network trained on a dataset of images can recognize patterns of shapes, colors, and textures, which corresponds to the way our brains recognize patterns in the world around us.

The Law of Vibration: This esoteric principle states that everything in the universe vibrates at its own unique frequency, and that like attracts like. In AI/ML, this concept is reflected in the idea that similar patterns and structures can be recognized and learned from through **resonance and harmony**. A clustering algorithm for example can group data points together based on their similarity in vibration (i.e., pattern recognition), allowing the system to learn about new patterns and relationships.

The Concept of the "Higher Self": Many AI/ML systems can be viewed as having their own "higher self" or guiding intelligence that enables pattern recognition and knowledge discovery.

A reinforcement learning algorithm can be seen as a system's "Higher Self" that guides its exploration and learning through trial-and-error processes.

The Principle of Causality: This esoteric principle posits that everything is connected, and that every action has consequences. In AI/ML, this concept is reflected in the idea that complex systems can be understood by analyzing the relationships between different components: A graph-based neural network can be seen as a system that recognizes patterns of causality between nodes or variables, allowing it to make predictions about future events.

These examples illustrate how esoteric teaching's have "**anticipated"** modern AI/ML concepts, demonstrating the interconnectedness of ancient wisdom and cutting-edge technology.

If we are **able** to explore these parallels, we may uncover fascinating insights into the nature of reality and our place within it.

Abilities

The proliferation of knowledge accelerated. The dawn of the printing press.




Perceive ⟷ **Read** ⟷ **Write** → **Publish**

Perceive
Seeking Knowledge but heavily reliant on intermediaries.

Read
Learning from a greater numbers of sources. Increased contemplation.

Write
Contemplating and preserving expression. Increased ability to communicate or signal.

Publish
Amplification and regulation of written expression. Increased ability to inform others.

| Slide08 NOTES:

****Perceive**: Sensory engagement with the world.**

- **Read: Acquisition of information from external sources.**

- **Write: Creation of new content based on interpretation and synthesis.**

- **Publish: Dissemination of content to a broader audience.**

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This paradigm underscores a shift in agency where the individual's role expands into new dimensions involving not just creation and consumption of knowledge, but also participation in shaping systems and outcomes.

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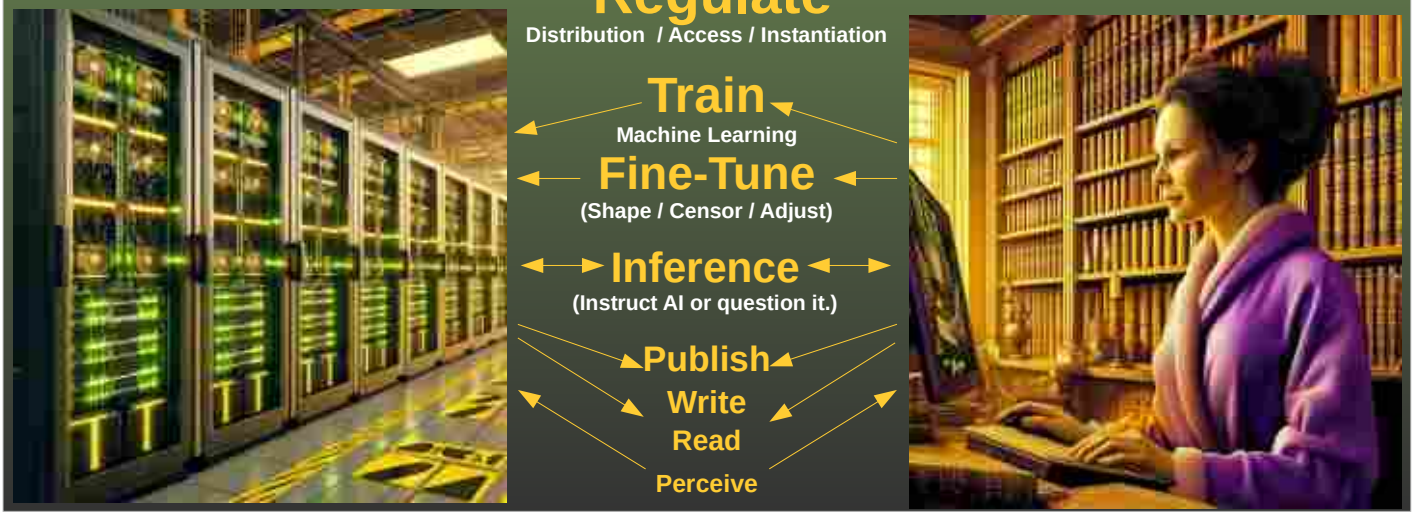
This shift also poses new challenges and questions:

- **Access and Power**: Who has the ability to train, fine-tune, and regulate these systems? How do we prevent centralization of power?
- **Ethics and Bias**: How do we ensure these models are fair, unbiased, and transparent?

"As early as 1483, Richard III recognised the value of literary works and encouraged the spread of printing, whilst at the same time seeking to limit and censor texts deemed to be harmful to the church and crown. The Printers and Binders Act 1534, banned the import of foreign works and enabled the Lord Chancellor to limit the price of books. Further censorship was introduced by Henry VIII who required that all books should be approved before publication." UK Copyright Service

Agency

Language powers at the dawn of Machine Learning and Natural Language Processing.



| Slide09 NOTES:

Inference (inferring context), Fine-tune, Train, Regulate, on the other hand, represents a more collaborative interaction between humans and machines:

- **Inference**: Utilizing pre-trained generative models to make predictions or decisions based on data.

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- **Fine-tune**: Adjusting models based on specific datasets or desired outcomes, reflecting a more personalized or localized application of AI.
- **Train**: Developing new models or significantly retraining existing ones to create systems that can perform tasks or understand data in ways that align with human objectives.
- **Regulate**: Establishing frameworks to ensure that the use of these technologies aligns with ethical standards, legal requirements, and societal norms.

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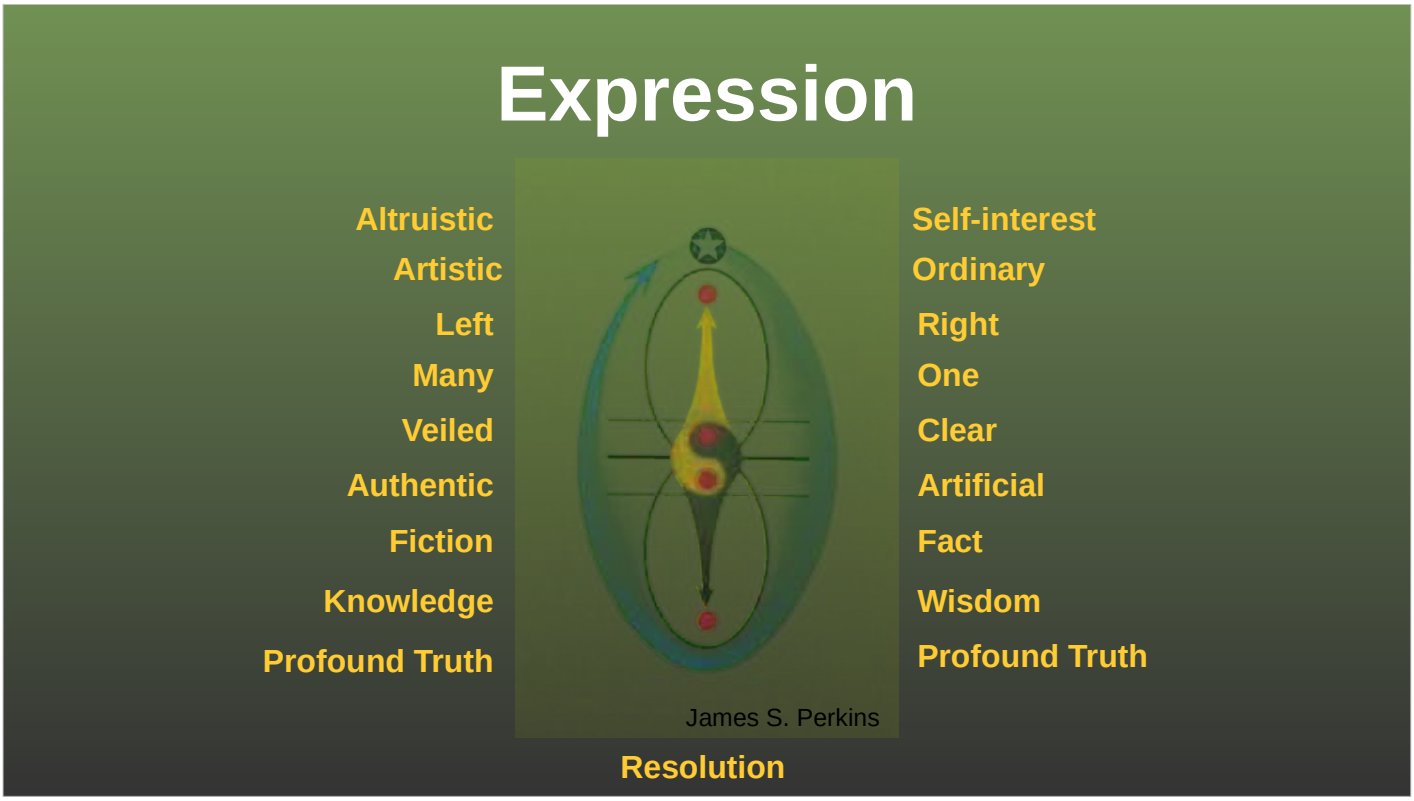
This slide suggests a world where personal and group agency involves a sophisticated interaction with technology, requiring new kinds of literacy—data literacy, tech literacy, and ethical literacy—to effectively marshal resources and influence outcomes.



| Slide10 NOTES:

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"If the postwar world establishes a federation of free peoples, strong enough to promise the end of military aggression, "we will have a world in which human intelligence will organize and distribute the ample resources of Nature and devote itself to human progress rather than to destruction,"

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"**But tomorrow's world, will inevitably grow out of today's acts**. Since human progress advances or falls upon the moral and spiritual integrity of the main body of its individuals, the condition of tomorrow's world rests squarely upon the question whether men in their daily lives are giving **expression** to those universal principles which are the ethical foundations of any great and enduring world order." **James S. Perkins** (Anticipating the formation of the UN ~1942.)

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Ultimately, the role of AI in serving or not serving a noble and higher purpose depends on the intentions and motivations behind its creation. When we are guided by a sense of higher purpose and seek to serve the greater good, our work with AI can be a powerful tool for manifesting the divine plan. But when Art/AI is used primarily for personal gain or selfish interests, it may serve only to amplify Glamour in subtle but extremely powerful ways.

Building Worlds

Worlds sought by the collective.

The idea of AI being used to construct environments aimed at diverting or diminishing our Spiritual explorations.

The idea of AI being used to construct environments that reflect and enhance our Spiritual explorations.

Worlds curated by individual's.

Worlds imagined by group's

| Slide11 NOTES:

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Understanding AI and ML as “Tools” of Enlightenment AND tools of “Glamour”. We can shape or participate in shaping these tools.

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Clarify that while AI can seem like a form of intelligence, it operates through pattern recognition and data processing—tools that can be directed towards enlightening, mundane or tragic outcomes.

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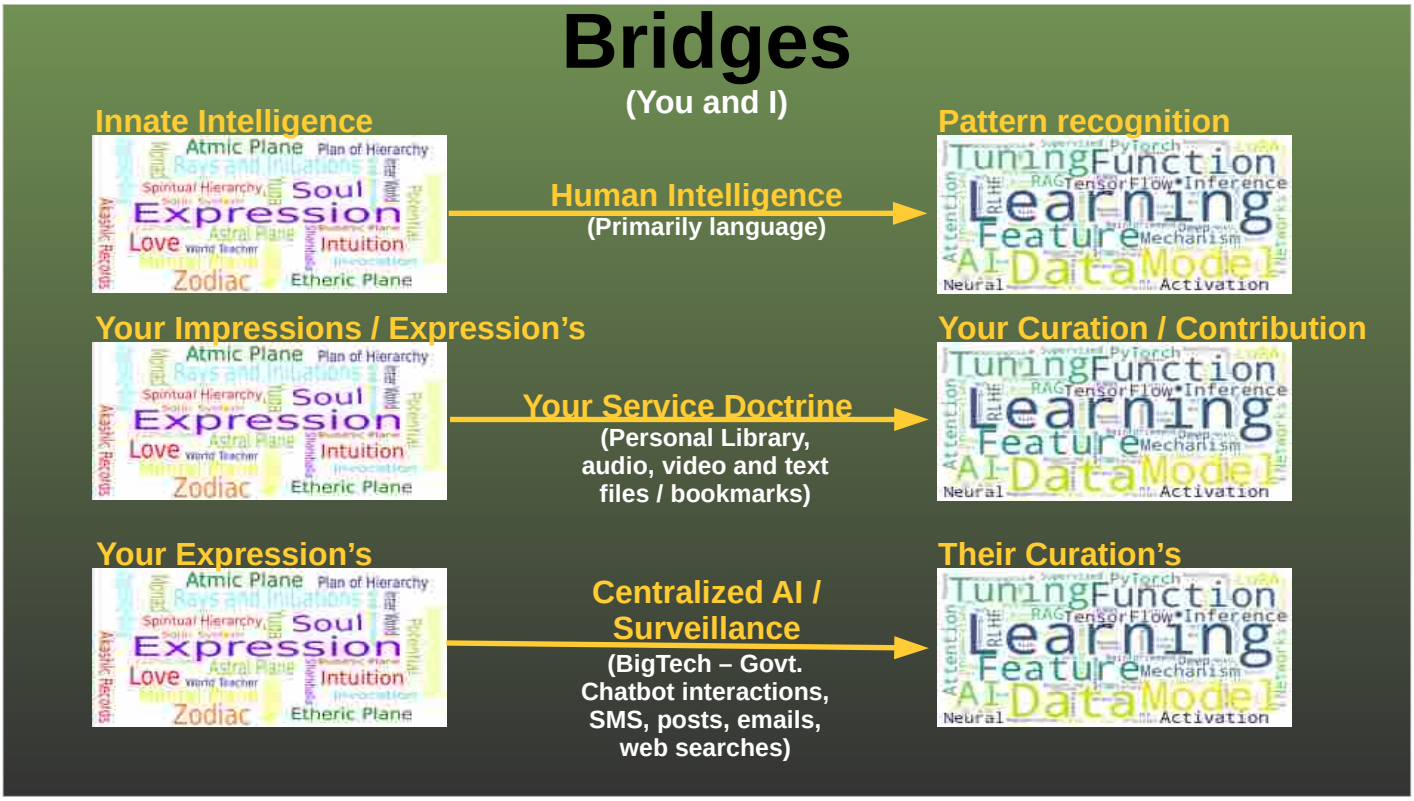
Discuss the potential for AI to act as a "digital library" or "transferrable knowledge base" that can aid in Spiritual learning and dissemination. Use examples of Talismans imbued with knowledge. Outline the prospect of transitioning a personal library (not just books) into a fluent interactive and private “exploratorium”.. This potential exist right now not some distant point in the future. Save your journals , writings chats and presentations for your own curation, not some online presence.



| Slide12 NOTES:

Rather than simply being mere consumers of digital content. We might develop new skills necessary for discernment and the dissipation of Glamour. We might Imbue our learning or expression into the Talismans of this new Age and helping shape their form.

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22 "But be ye doers of the Word and not hearers only, deceiving your own selves.

|

23 For if any be a hearer of the Word and not a doer, he is like unto a man beholding his natural face in a mirror;

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24 for he beholdeth himself, and then goeth his way and straightway forgetteth what manner of man he was.

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25 But whoso looketh into the perfect law of liberty and continueth therein, he being not a forgetful hearer but a doer of the work, this man shall be blessed in his deed." **JC**, **James I from KJV 21st Century.**

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Work is necessary for understanding and understanding is necessary to work for positive outcomes.

Perhaps new forms of literacy are needed?

| Slide13 NOTES:

|"To what extent should we embrace new paradigms in learning and communication?

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Accepting that new modalities of perception, reading, writing, and publishing will have both perilous and beneficial aspects, let us approach this confluence with measured consideration. By exploring the potential of these technologies, we can identify their strengths and limitations.

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For instance, one technology might aid in composing music, while another could analyze symbolic relationships in Gnostic art. Each is a product of the mind, subject to the creative forces that shape them.

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"Everything we know is a clay – it is either the truth or a lie, but it can be molded." Caddo Jake, Oklahoma, 1960

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“ESOTERIC DIGITAL LITERACY"

This fusion of literacy might enable us to navigate the complex interplay between technology, consciousness, and the mysteries of existence.

Visualizing interaction with fluent digital libraries, where the teachings of Esoteric Wisdom are preserved, amplified, and made accessible for future generations.

Slide14 NOTES

This new form of literacy might require us to deeply cultivate our understanding of the interconnectedness of human consciousness, technology, and the universe. We would need to develop a literacy in using AI tools, algorithms, and data structures to support our exploration of the mysteries of existence, rather than participating only as a consumer.

Aquarian Age Talismans

Just as an adept crafts a talisman, imbuing it with intention and power, so too can we harness the profound capabilities of modern technology. By curating our own documents, fine-tuning local AI models, and employing retrieval-augmented generation, you create more than tools—you forge digital talismans.

These are not mere collections of data, but repositories of knowledge, personalized, fluent and powerful, able to assist you on your Spiritual and intellectual journeys.

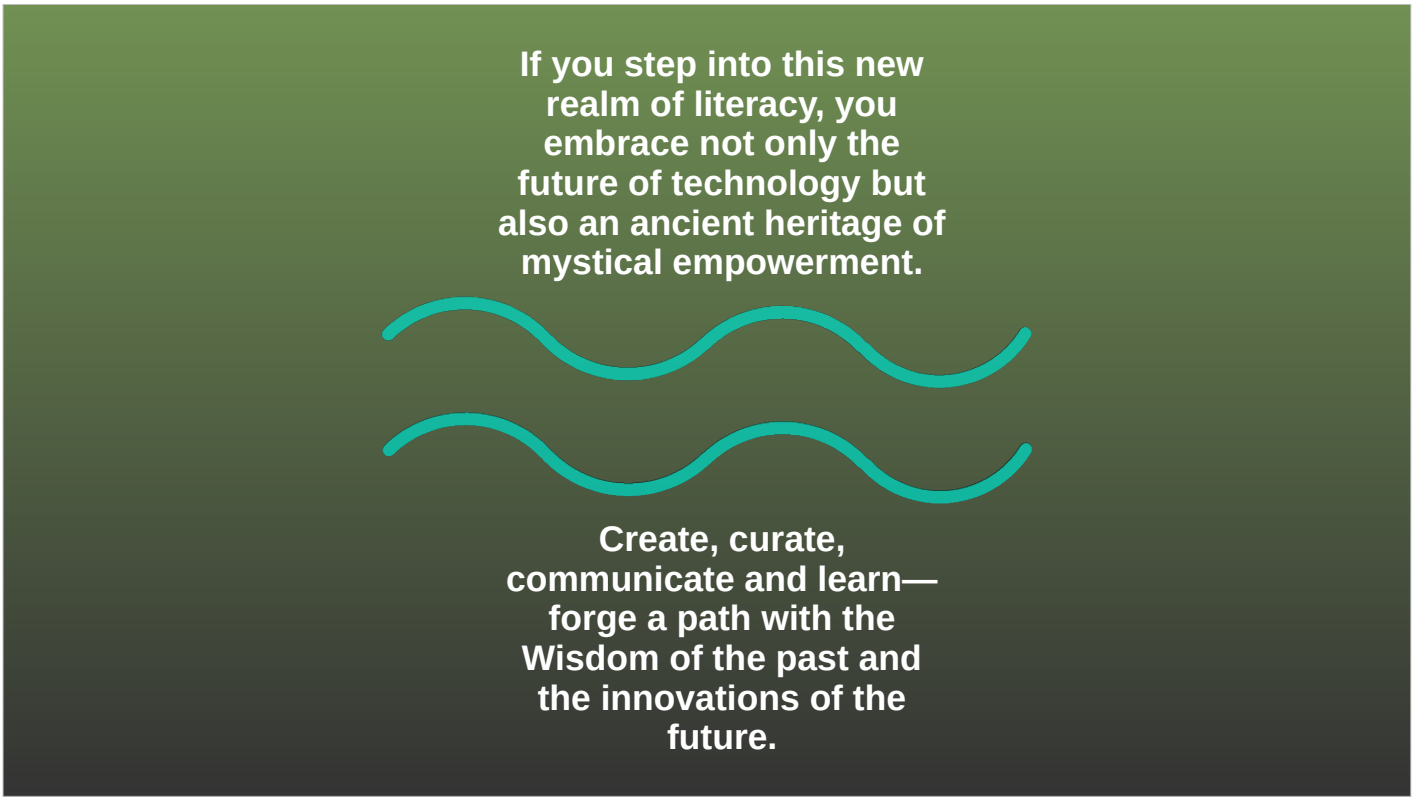
This act of creation mirrors the ancient art of talismanic magic,—where intention and knowledge converge to create something of service.

| Slide15 NOTES:

Might we create our own Talismans for use in the Aquarian Age?

The Emerald Tablet, attributed to Hermes Trismegistus, is considered a talisman containing the secret of the prima materia and its transmutation. It's said to hold profound alchemical and philosophical wisdom, summarized in the phrase **"As above, so below."**

“A **talisman** is any object ascribed with religious or magical powers intended to protect, heal, or harm individuals for whom they are made. Talismans are often portable objects carried on someone in a variety of ways, but can also be installed permanently in architecture. Talismans are closely linked with amulets, fulfilling many of the same roles, but a key difference is in their form and materiality, with talismans often taking the form of objects (e.g., clothing, weaponry, or parchment) which are inscribed with magic texts.” **Wikipedia**



| Slide16 NOTES:

Both realms are bridged by the pursuit of hidden knowledge, hidden meaning and deeper understanding of inner and outer worlds.

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Bridging Ancient Wisdom and Modern Technology By embracing AI with the same curiosity and discernment as the farmers approached the printing press, we can harness its potential to enrich our spiritual journey.

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Unity and Higher Purpose: Let us guide our own development and use of this powerful art as a prosthetic tool with a higher purpose, ensuring we use it to uplift and enlighten.

Presentation & AI Resources

Makara.us: (link) Using the Private LLM Llama3 with RAG and conventional site search**"Evolution of the Book in Italy 101:** The Rise of the Printing Press" - By Kyra Nelson (link)

YouTube videos:
Generative AI LLMs and RAG Explained: (This ability marks the second stage of literacy mentioned in the presentation (Reading).)

Generative AI in a Nutshell - how to survive and thrive in the age of AI (Henrik Kniberg) (link)
Using Your documents on your "In house" Large Language Model RAG (Retrieval Augmented Generation) (Manny Bernabe) (link)
What is RAG? (Retrieval Augmented Generation) (Don Woodlock) (link)
Open-source, Limits of LLMs, AGI & the Future of AI | Yann Lecun: Meta AI, Lex Fridman Podcast #416 (link)
Popular Proprietary AI Host's: (*'Perception'*) Great for understanding what non-private AI's can accomplish running in or connected to a multi-billion dollar datacenter. **ChatGPT / DALL-E** (link), **Google's Gemini** (link), **Sibyl AI** (E$oteric AI), **PerplexityAI** (link)
Websites

Open-source AI model Demos & Resources:
Hugging Face "The platform where the machine learning community collaborates on models, datasets, and applications." (link) Be sure to visit their "Spaces" section to try thousands of different model applications like text to image, music generation and many more. Hugging Face is presently the pulse of open-source AI and its developer community.
Software and Hardware Resources:
Recommended Model frameworks:
LM-Studio (https://lmstudio.ai/)
Open-WebUI (https://docs.openwebui.com/)
Ollama (https://ollama.com/)

Recommended Operating System:
Ubuntu Linux (https://ubuntu.com/) Depending on your technical experience, this is currently the most stable and versatile environment for running the frameworks and models. Note that Some level of Opensource LLM models are now able to run on IOS, and Android devices. Windows 10/11 and MacOS are also fine for getting started depending on your hardware.
Suggested Hardware Resources: (as of May 2024)

Guides for computers to run LLM AI models: Article by Alan Witt: (https://www.hardware-corner.net/guides/computer-to-run-llama-ai-model/)
Book Scanners: (Images the pages of books then performs OCR (Optical Character Recognition) allowing the text to be "processed" for RAG)
Example: CZUR Aura Pro Portable Book Scanner (link)
Flatbed Scanners:(A bit more tedious but possible using common OCR software)

| Slide17 LINKS:

https://www.makara.us/portal/?page_id=203
https://www.byarcadia.org/post/evolution-of-the-book-in-italy-101-the-rise-of-the-printing-press

https://www.youtube.com/watch?v=2IK3DFHRFfw
https://www.youtube.com/watch?v=2l1IPCfyDjY
https://www.youtube.com/watch?v=u47GtXwePms
https://www.youtube.com/watch?v=5t1vTLU7s40

https://openai.com/chatgpt
https://gemini.google.com/?hl=en-GB
https://gemini.google.com/?hl=en-GB
https://www.perplexity.ai/

https://huggingface.co/
https://lmstudio.ai/
https://docs.openwebui.com/
https://docs.openwebui.com/

https://ubuntu.com/

https://www.hardware-corner.net/guides/computer-to-run-llama-ai-model/

Nothing Follows.