

# AI (Artificial Intelligence)

**1956** – “**Artificial Intelligence**” was coined at the **Dartmouth Conference**. This event is considered the **birth of AI** as a research field.

**Artificial Intelligence (AI)** - Machines think, learn, and act like humans. It's about creating systems that can perceive, reason, learn, and make decisions.

**LLM - Large Language Model**

**AI System Types:**

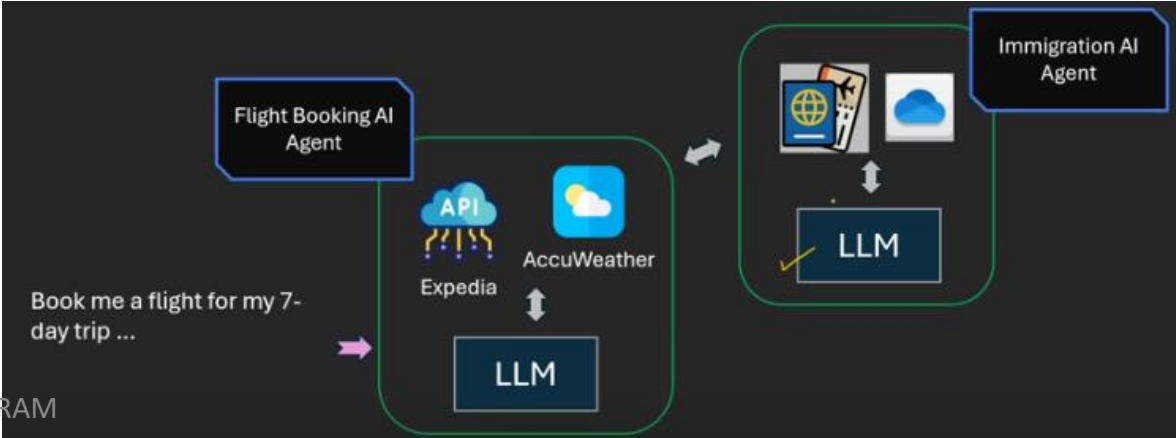
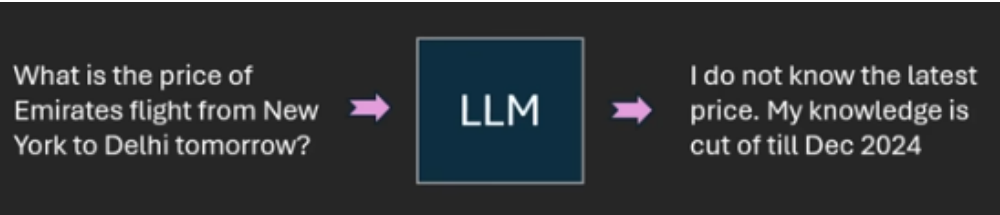
- Generative AI
- AI agents
- Agentic AI

## LLM = Large Language Model

**LLM** stands for Large Language Model, a type of artificial intelligence trained on vast amounts of text data to understand, process, and generate human-like text. These models use transformer architectures to learn language patterns and context, enabling them to perform tasks like text generation, translation, summarization, question-answering, and content creation.

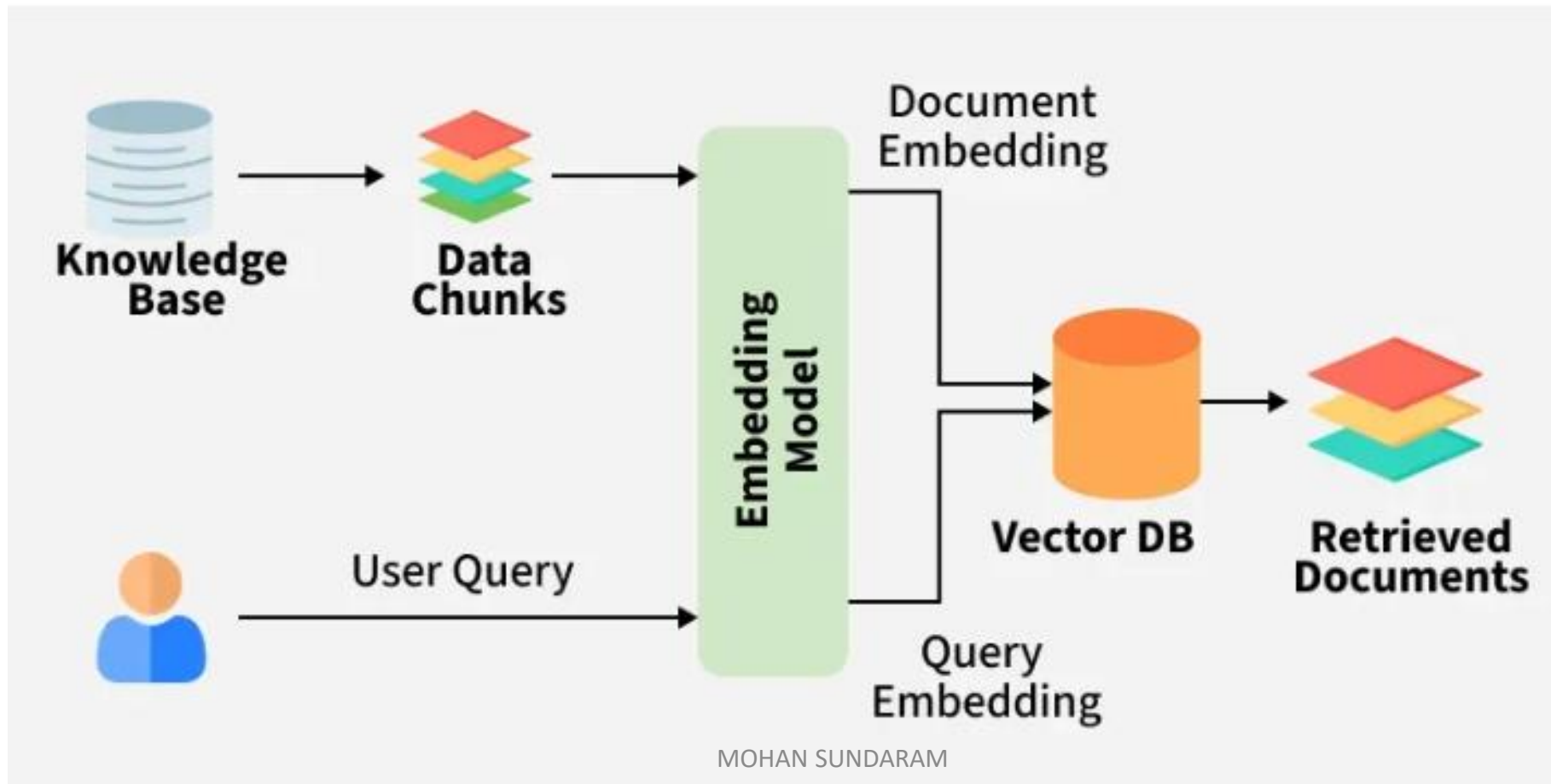


Ai System Type	Gen Ai (LLM Only)	Ai Agent	Agentic Ai
Task Capability	Answer based on pre Trained knowledge only. Like Text, images, audio and videos ChatGPT, Gemini	Task Input, Decide and Action/Completes a task using tools,Memroy,Data,api	Handle the multiple step with planning and co-ordination
Tool	No Extra Tool ☒	Uses the Tools to complete the task	Uses multiple tools and call other AI agents.
Decision	No Decision Making ☒	Make Decision complete the task	Plan , Decide and Autonomous Decision



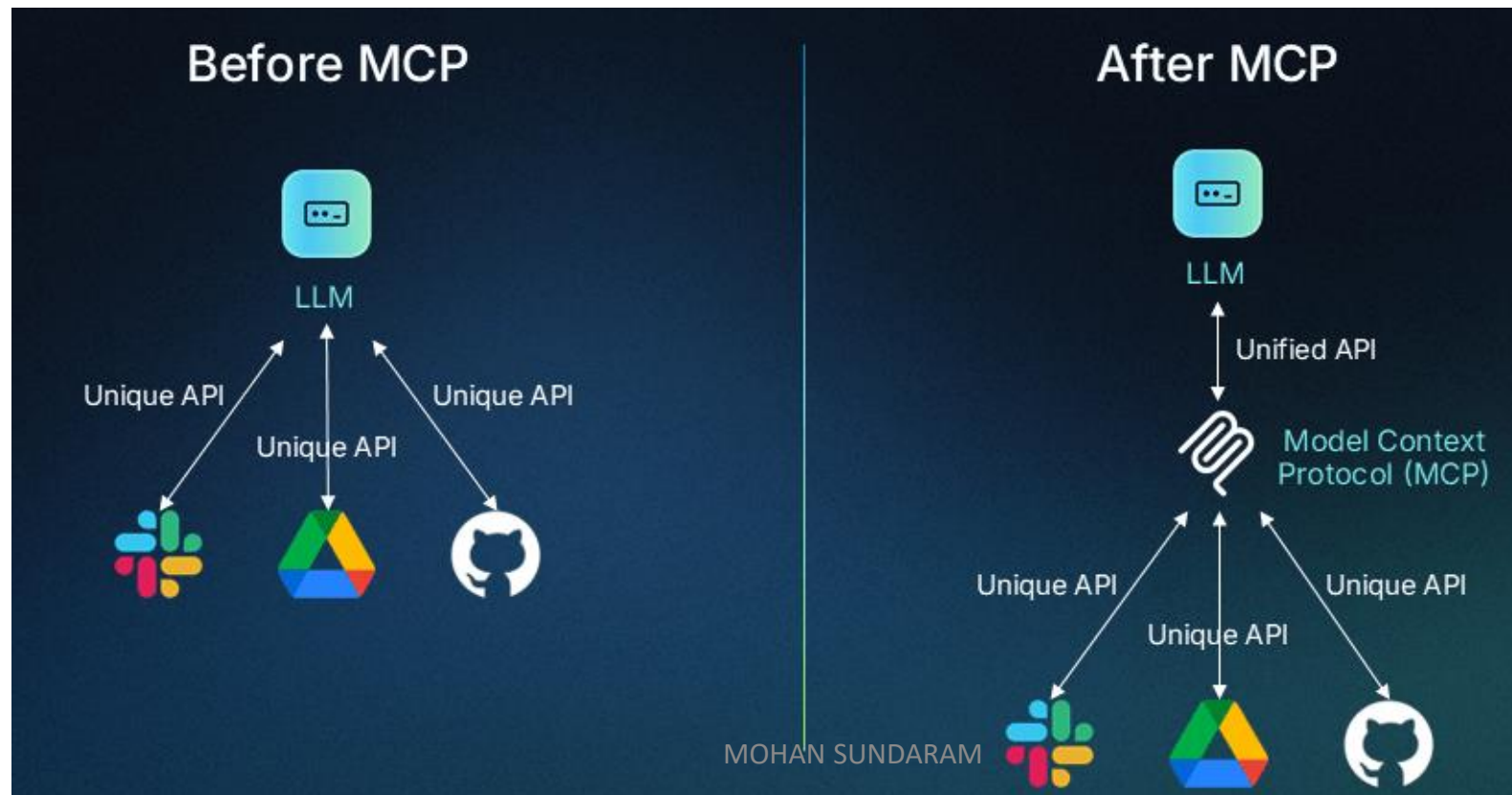
## RAG = Retrieval-Augmented Generation

- RAG is an AI framework that improves the output of large language models (LLMs) by giving them access to external or private data up-to-date knowledge bases before generating a response.
- RAG Powerful Knowledge base retrieval.
- RAG input text and get the output improved text output.



## MCP - Model Context Protocol

- Open-source framework that allows large language models (LLMs) to securely and standardized interact with external data sources and tools API, application, databases..etc.
- MCP input text and get the output improved text and action output.
- RAG and MCP combined integration tools more powerful.




## Gen AI Tools

- <https://chatgpt.com/>
- <https://claude.ai/>
- <https://gemini.google.com/>
- <https://chat.deepseek.com/>
- <https://webenoid.com/>

## Blogger & App

 **GitLab** <https://gitlab.com/mohan4295work>

 **GitHub** <https://github.com/mohan4295work>

 **Blogger™** <https://mohan4295.blogspot.com/>