



AI Tools Usage Policy – Email Guidelines:

To ensure data privacy and maintain professional boundaries during AI tool experimentation:

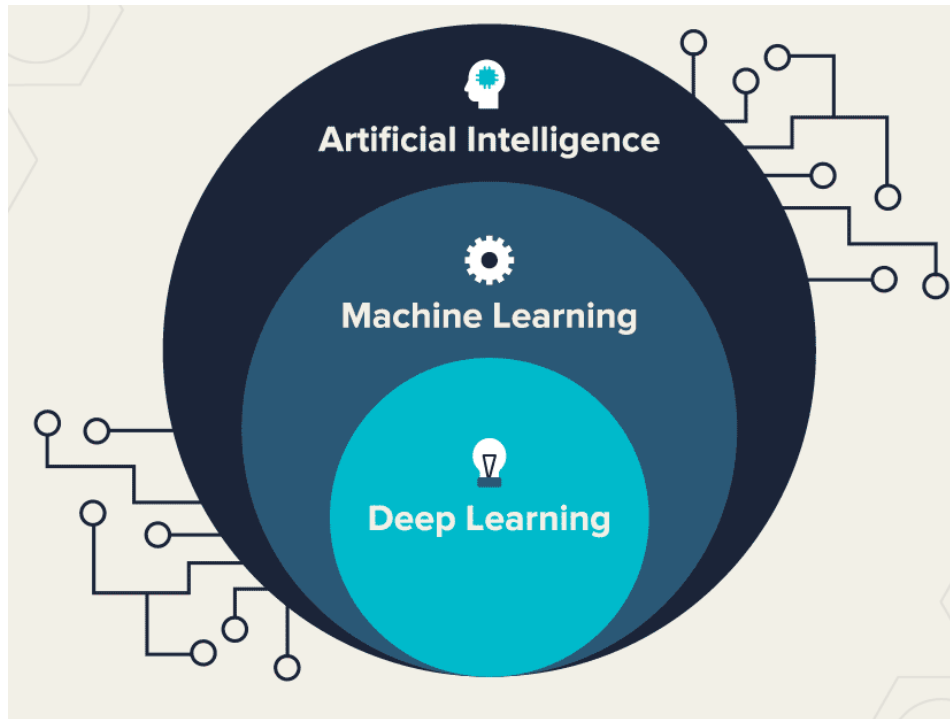
- **Do not use personal or finance-linked email IDs** when testing or evaluating AI tools.
- **Create a separate, dedicated email account** specifically for learning, testing, and development purposes.

This practice helps safeguard sensitive information and ensures a clean separation between personal data and experimental workflows.

AI (Artificial Intelligence)

Artificial Intelligence (AI) - Machines can think, learn, and make decisions like humans. They can see, understand, and solve problems on their own.

Ai performs tasks similar to human intelligence. It can recognize patterns, understand speech, and Analyze/identify images.



AI can work without **ML** / **DL** by using methods like rule-based systems, robotics control, and fuzzy logic to make decisions and solve problems.

Machine learning (ML) is a Sub domain of artificial intelligence (AI). It teaches computers to learn patterns from data and make decisions using those patterns.

Deep learning (DL) is a Sub domain of of Machine learning (ML). It uses computer models called **neural networks** to learn from large amounts of data and make smart decisions. **(DL) is primarily used for processing unstructured data** such as images, audio, and Video..Etc.

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. **ChatGPT3** raw dataset size **45 TB** before filtering and **1.7 - 1.8 trillion** parameters.



Ai System Types:

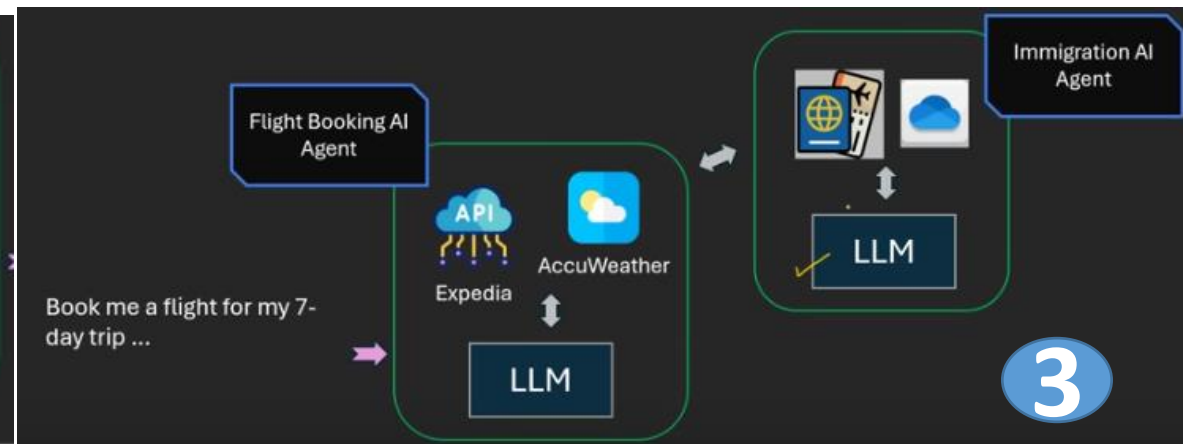
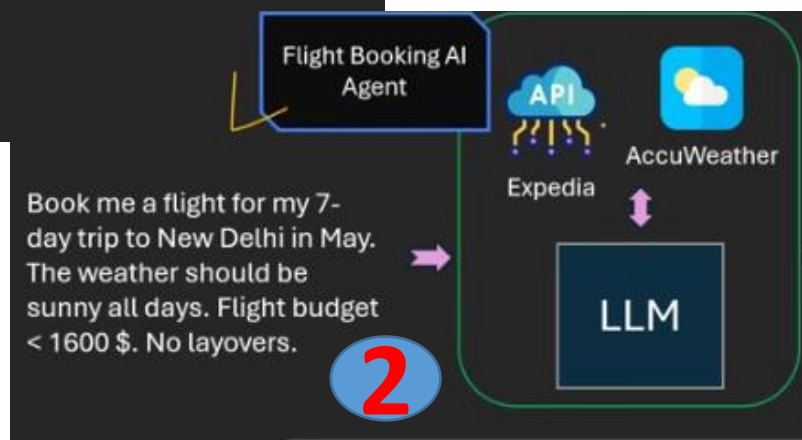
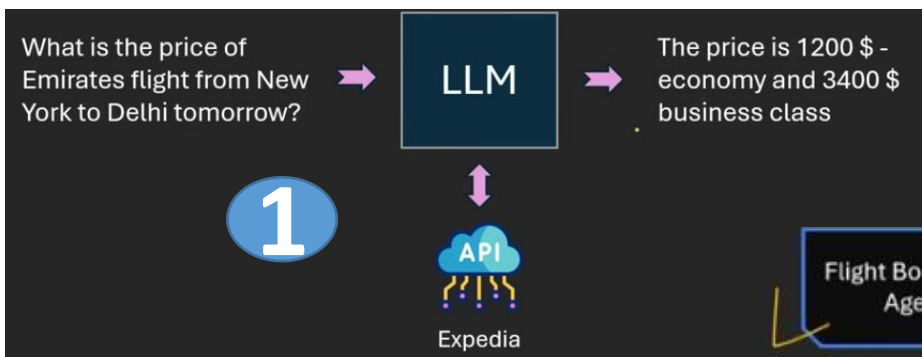
- Generative AI
- AI Agent
- Agentic AI

Gen AI

Generative AI

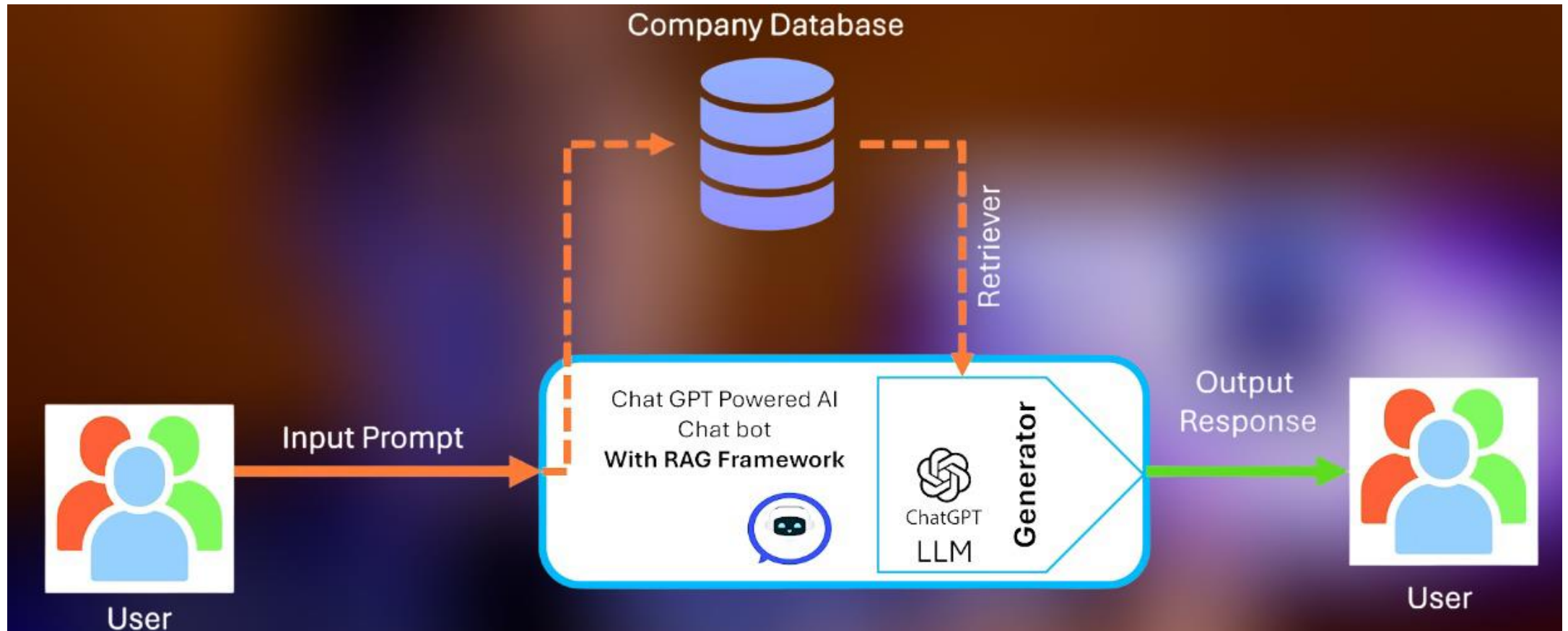
- **Text** - GPT, Claude, Gemini, LLaMA
- **Images** - Midjourney, DALL.E, Stable Diffusion
- **Audio** - ElevenLabs, Bark, MusicGen
- **Videos** - Sora, Runway, HeyGen
- **Code** - Github Copilot, Code Llama, CodeWhisperer

	1	2	3
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

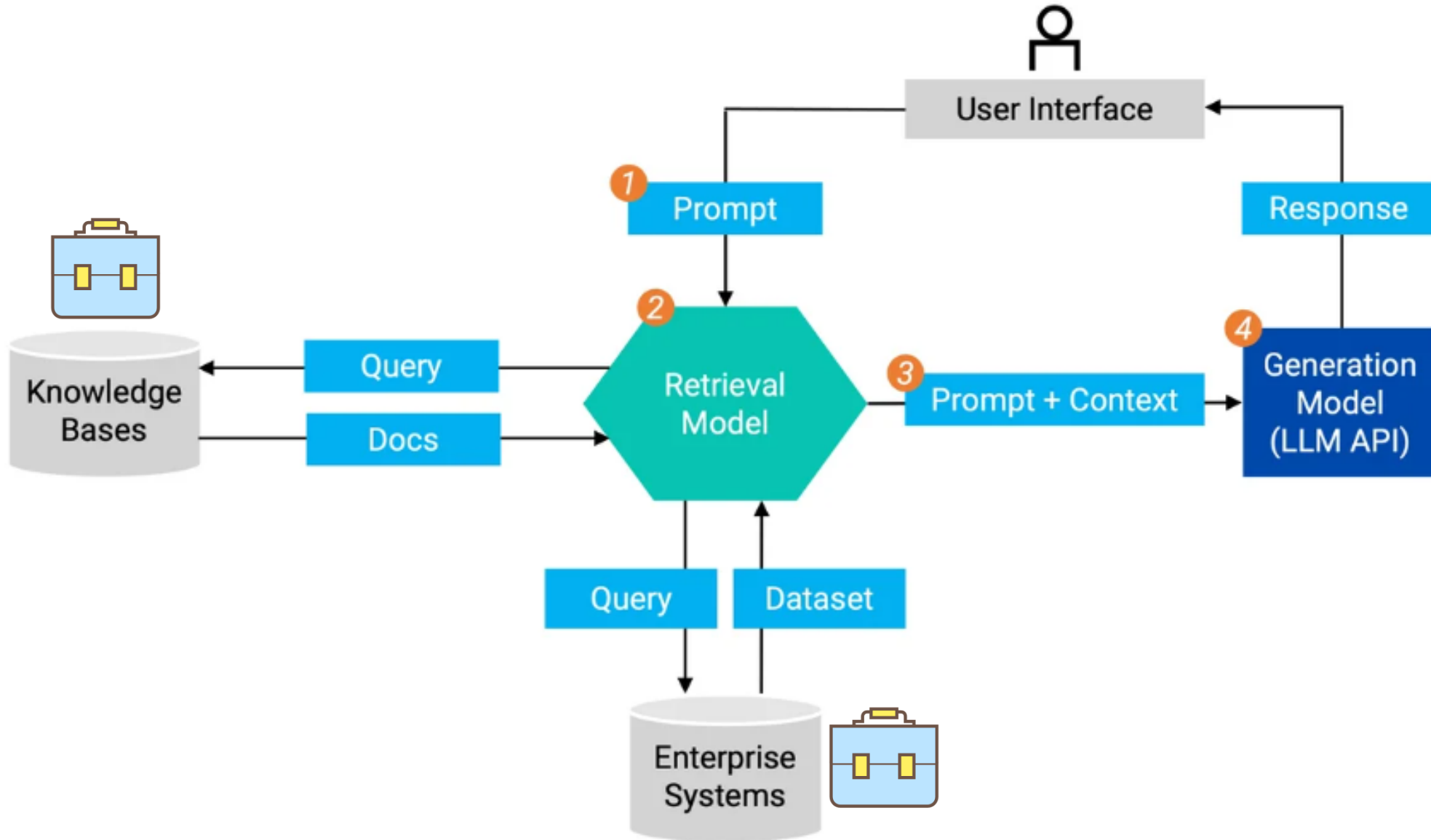


RAG = Retrieval Augmented Generation

- 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/Documentation base retrieval.**
- **RAG input text and get the output improved text output.**

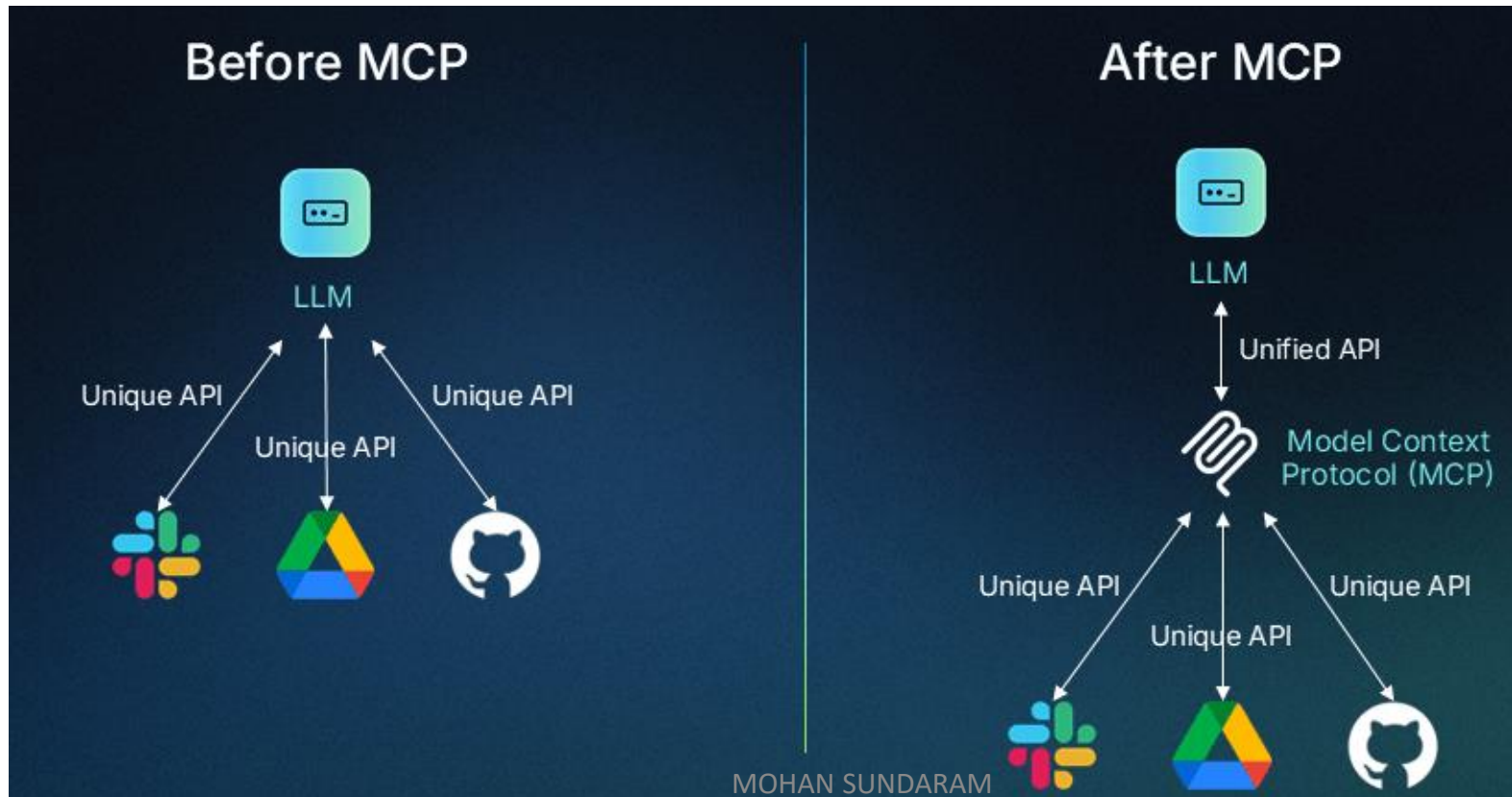


Retrieval-Augmented Generation (RAG) Framework



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.**

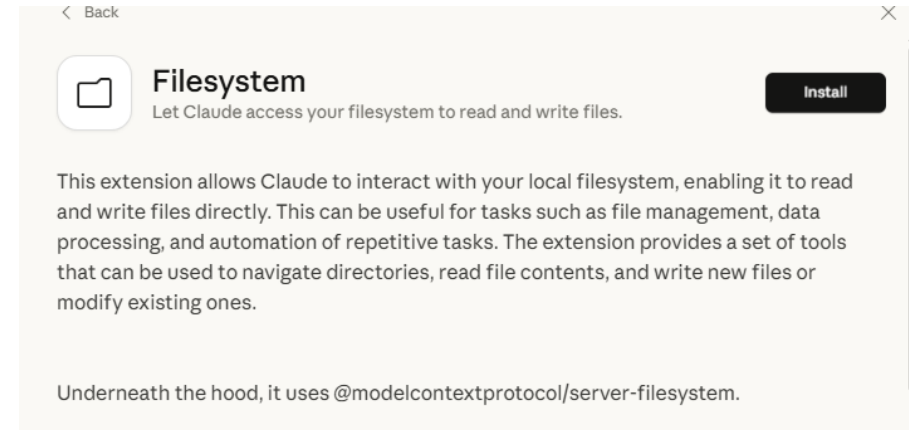
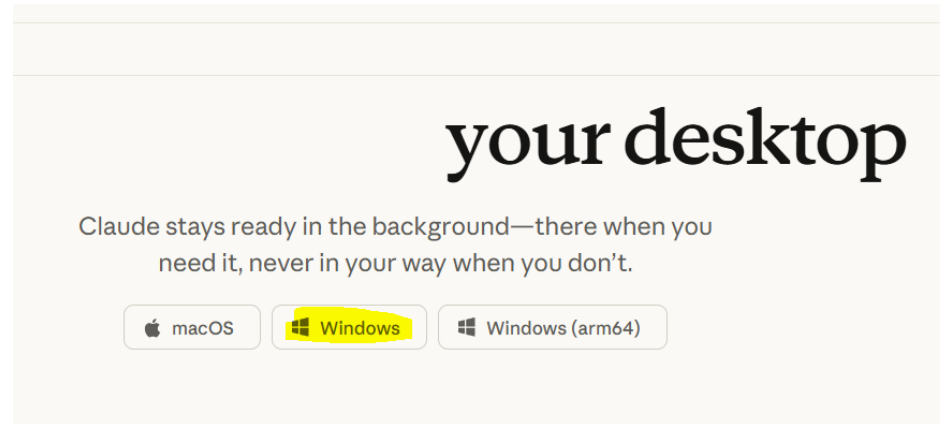


MCP – Example

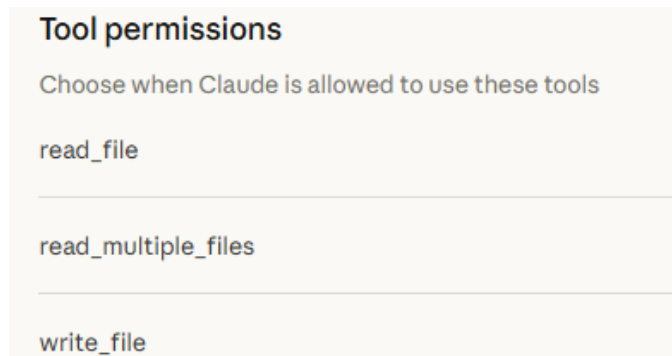
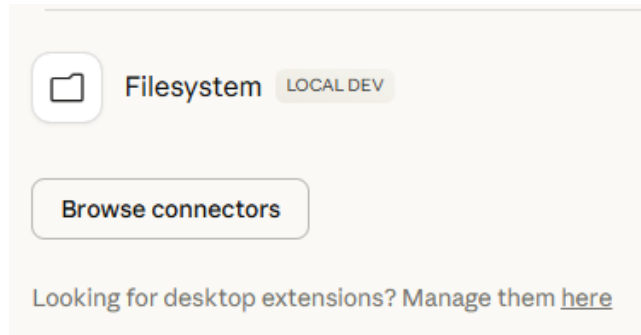
<https://www.claude.com/download>

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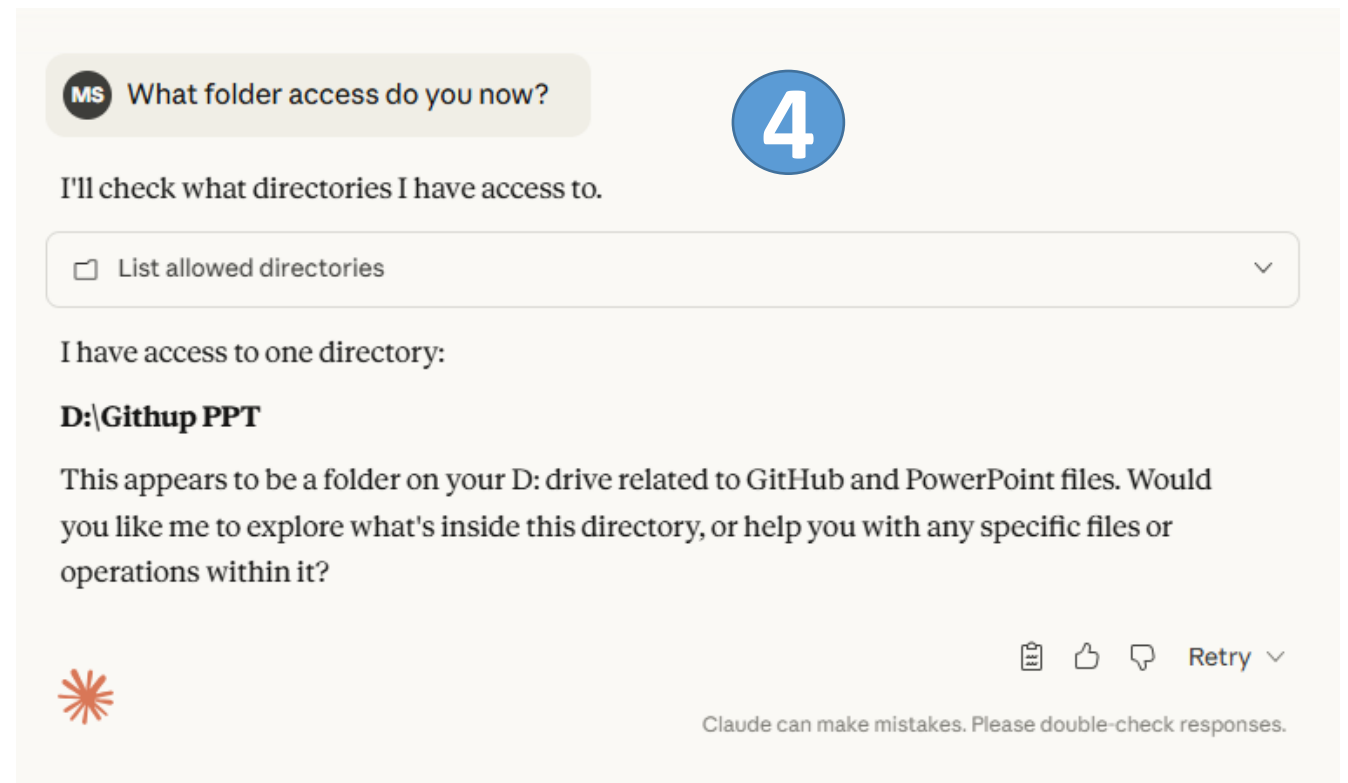
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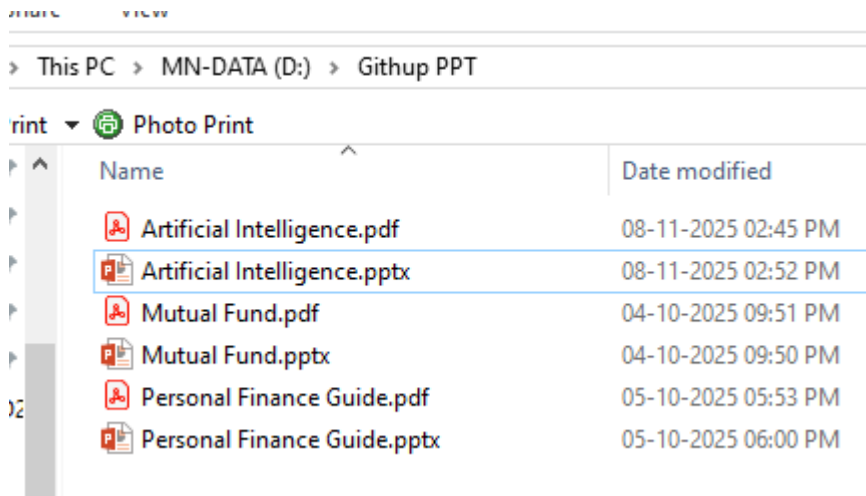
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6

MS List the files?

List directory

Here are the files in **D:\Githup PPT**:

PDF Files:

- Artificial Intelligence.pdf
- Mutual Fund.pdf
- Personal Finance Guide.pdf

PowerPoint Files:

- Artificial Intelligence.pptx
- Mutual Fund.pptx
- Personal Finance Guide.pptx

MS

Copy Ai.txt file into another name Personal Finance Guide.txt

7

I'll help you copy the Ai.txt file to Personal Finance Guide.txt. First, let me check if Ai.txt exists in the directory.

List directory

Great! I found "Ai.txt" in the directory. Now I'll read it and create a copy with the name "Personal Finance Guide.txt".

Read file

Write file

Perfect! I've successfully copied the Ai.txt file to "Personal Finance Guide.txt". The file appears to be empty (0 bytes), but the copy has been created.

Let me verify by listing the directory again:

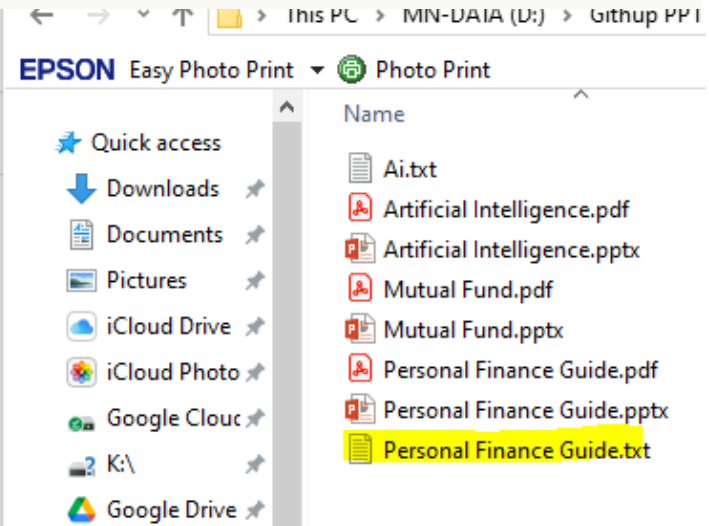
8

List directory

Excellent! The file has been successfully created. You now have:

- **Ai.txt** (original file)
- **Personal Finance Guide.txt** (new copy)

Both files are now in the **D:\Githup PPT** directory.



AI Prompt Engineering:

Example: Create a friends-themed snake game with background music, obstacles, power-ups, and speed boosts. Make it ready to deploy PWA (Manifest, Service worker, icons) and give me a zip with all the assets included.

ChatGPT ▾

1

Create a friends-themed snake game with background music, obstacles, power-ups, and speed boosts. Make it ready to deploy PWA (Manifest, Service worker, icons) and give me a zip with all the assets included.

Thought for 5s >

2

Analyzing ▾

3

Here's your ready-to-deploy PWA package:

👉 [Download friends-snake-pwa.zip](#)

It includes everything — HTML, JS, CSS, icons, manifest, and service worker — ready to drop into your project or deploy on Netlify/Vercel/GitHub Pages.

4

<https://www.netlify.com/>

<https://app.netlify.com/teams/mohan4295work/project>



Import an existing project

Import from Git

Projects / friends-snake-pwa



◆ Project overview

Project configuration

Deploys

Preview Servers

Agent runs

Logs ▾

Metrics ▾

Web security

6



friends-snake-pwa

● friends-snake-pwa.netlify.app

Deploys from GitHub.

Published at 2:29 PM.

Quick setup

Add database



friends-snake-pwa-chatgpt

Deploys from GitHub

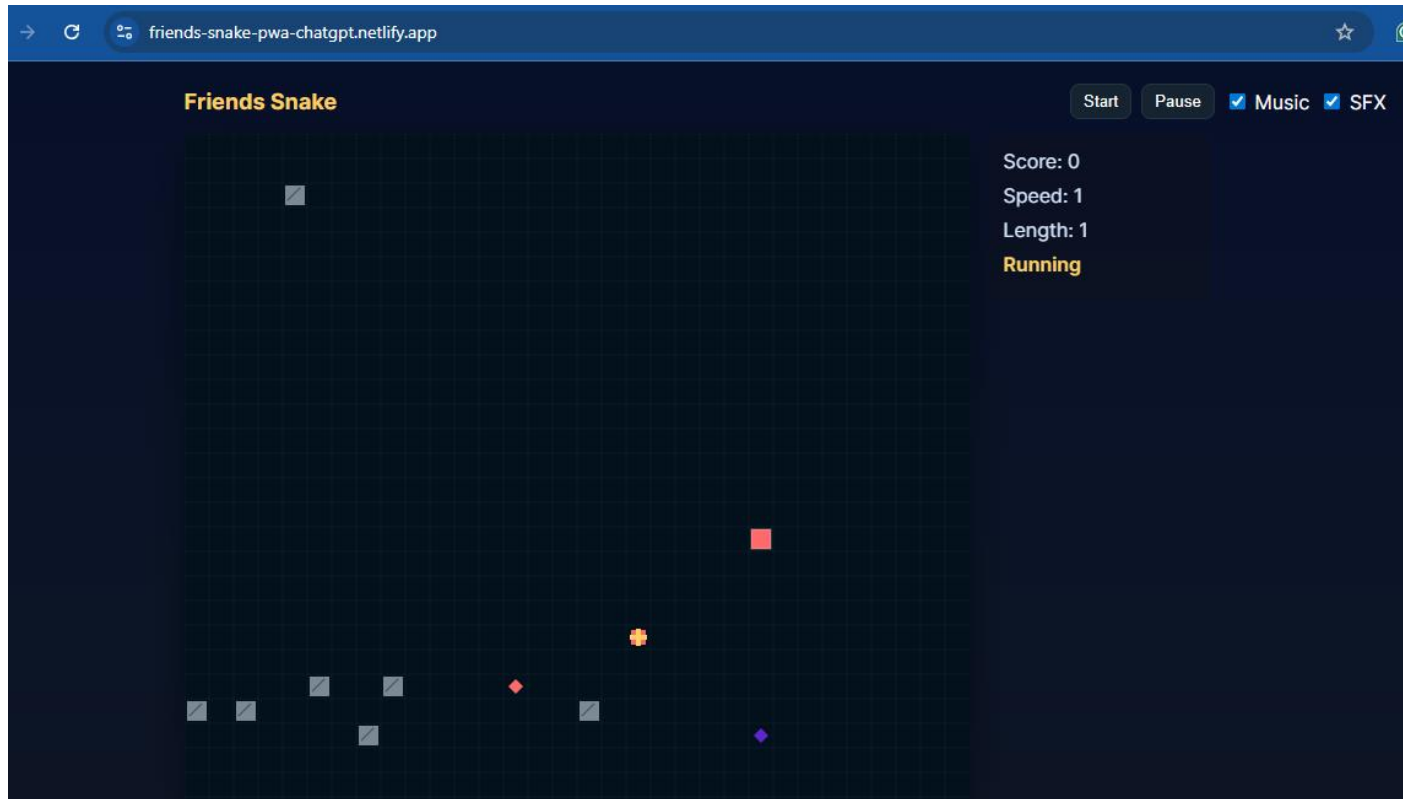
5

Owned by MohanDevOps

Published at 2:29 PM (5 minutes ago)

7

<https://friends-snake-pwa-chatgpt.netlify.app/>



AI as a tool to get the job done better!

Programmer Productivity

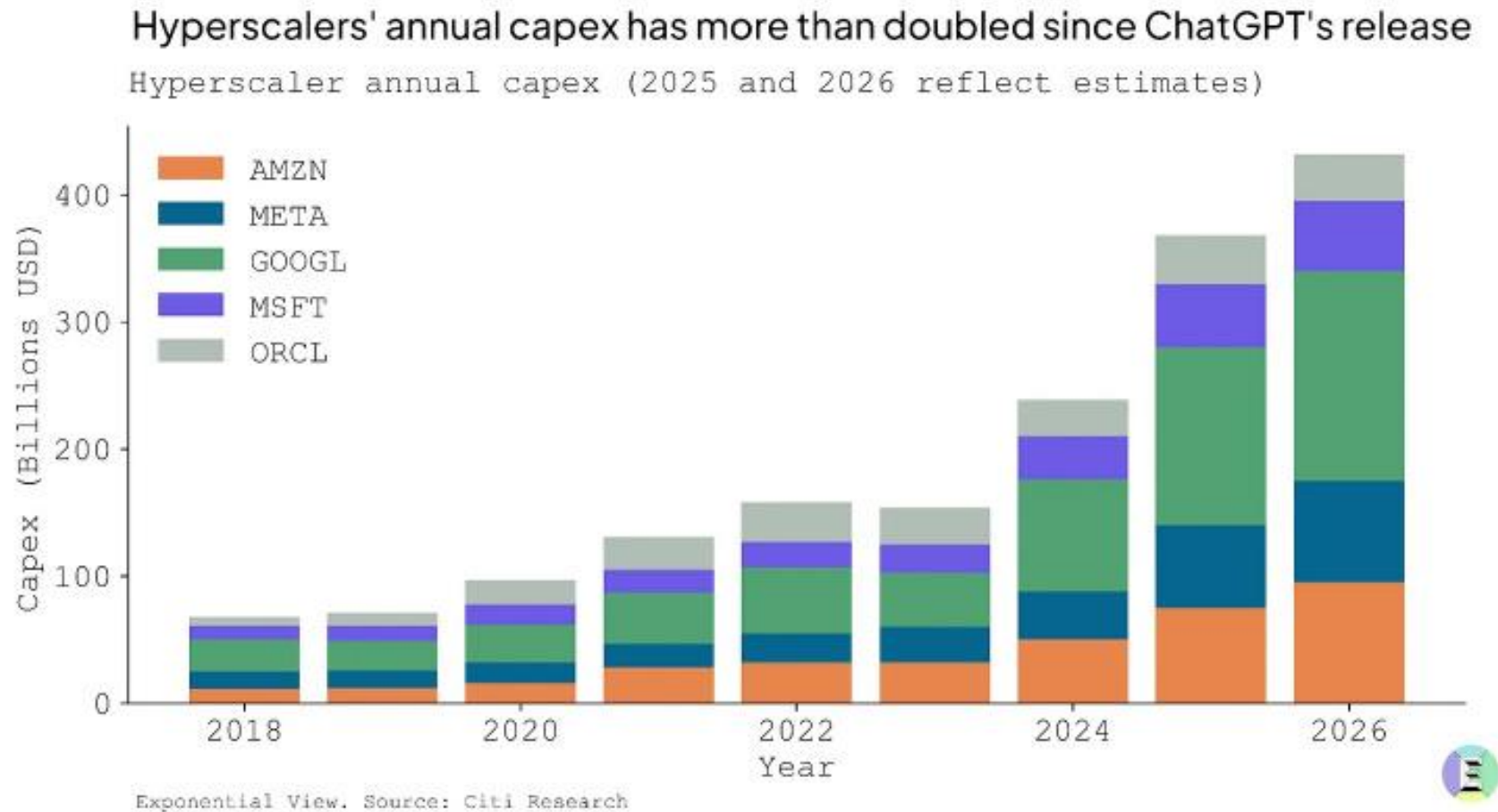
Testers Productivity

UI Programming Productivity

SQL Query Conversion Productivity

.....etc.

Is the AI Bubble About to Burst?



- Derek Thompson on AI bubble <https://www.derekthompson.org/p/this-is-how-the-ai-bubble-will-pop>
- MIT report <https://fortune.com/2025/08/18/mit-report-95-percent-generative-ai-pilots-at-companies-failing-cfo/>

Documents Download → <https://github.com/mohan4295work/Doc/blob/main/Artificial%20Intelligence.pdf>

Gen AI & Open Source Tools

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

My Blogger & Links



GitLab

<https://gitlab.com/mohan4295work>



GitHub

<https://github.com/mohan4295work>



Blogger™

<https://mohan4295.blogspot.com/>

Reference Links

- <https://youtu.be/D1eL1EnxXXQ>
- <https://youtu.be/O2gerCxEXvc>
- <https://youtu.be/df4onYIfTwo>
- <https://youtu.be/OJKPrJ0wNvc>