

Where does generative AI fit?



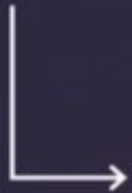
Artificial intelligence (AI)

Any technique that allows computers to mimic human intelligence using logic, if-then statements, and machine learning



Machine learning (ML)

A subset of AI that uses machines to search for patterns in data to build logic models automatically



Deep learning (DL)

A subset of ML composed of deeply multi-layered neural networks that perform tasks like speech and image recognition

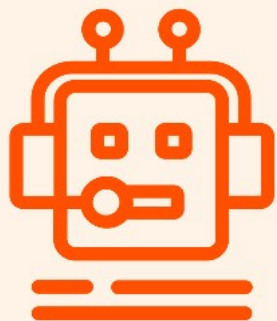


Generative AI

Powered by large models that are pretrained on vast corpora of data and commonly referred to as foundation models (FMs)

What is AI?

ANI vs. AGI vs. ASI



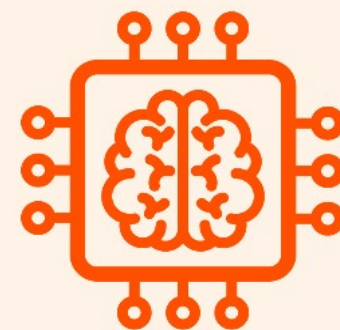
Artificial narrow intelligence (ANI)

Designed to perform specific tasks



Artificial general intelligence (AGI)

Can behave in a human-like way across all tasks



Artificial super intelligence (ASI)

Smarter than humans—the stuff of sci-fi

Road To AGI

OpenAI Imagines Our AI Future

Stages of Artificial Intelligence

Level 1	Chatbots, AI with conversational language
Level 2	Reasoners, human-level problem solving
Level 3	Agents, systems that can take actions
Level 4	Innovators, AI that can aid in invention
Level 5	Organizations, AI that can do the work of an organization

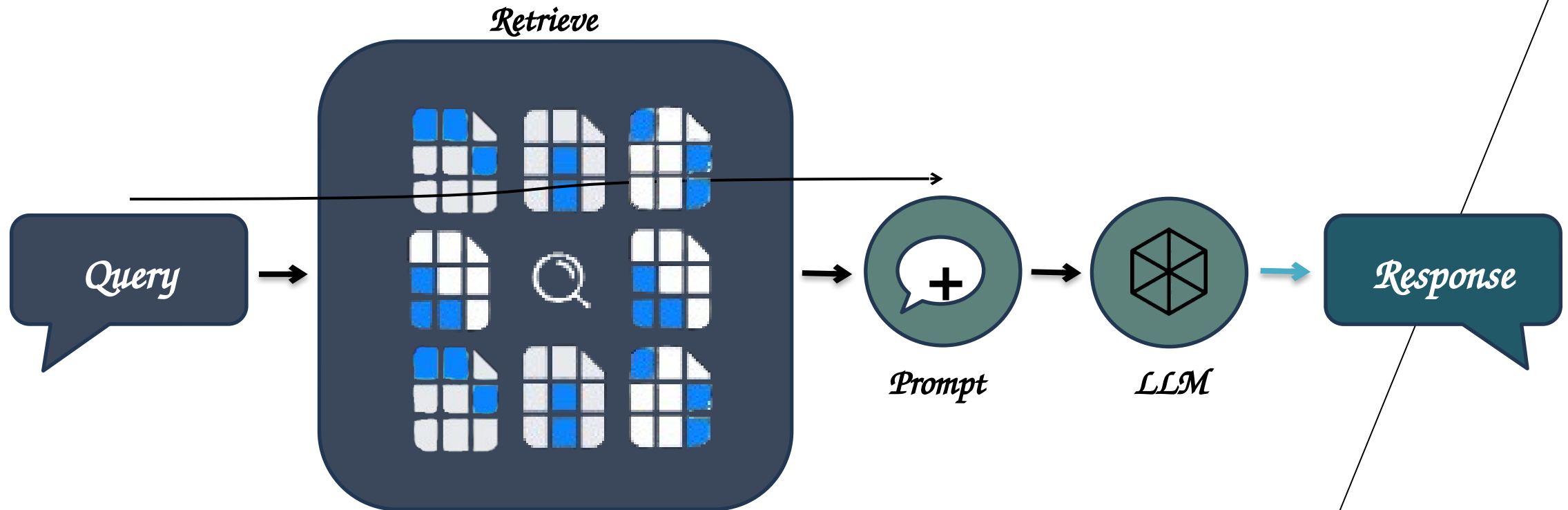
Source: Bloomberg reporting

Bloomberg

How Does LLM Works

<https://www.youtube.com/watch?v=LPZh9BOjkQs&t=126s>

Retrieval Augmented Generation (RAG)



LangChain Ecosystem



