EXPLORING GENERATIVE AI AND LARGE LANGUAGE MODELS

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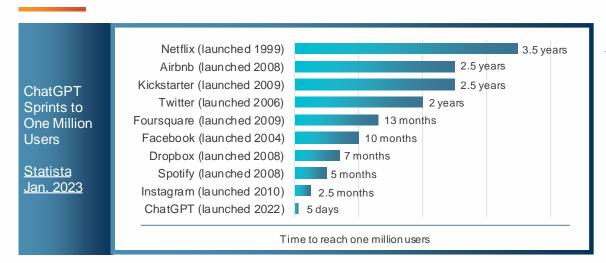
Artificial Intelligence (AI) can be widely thought of as the ability of a system or algorithm to perform tasks without being explicitly programmed to do so. There are several conceptual elements or "building blocks" of AI that when properly assembled, form meaningful applications, such as the combination of natural language processing and generative AI to formulate large language models (LLMs) such as ChatGPT and Bard. These LLMs have captured global attention faster than any other application in history and are poised to transform our businesses and interactions. Are you ready for the AI evolution?
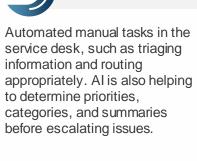
AI-ML "Building Blocks"

Predictive Analytics	Computer Vision	Audio	Natural Language Processing (NLP)	Generative AI
Make predictions about future or otherwise unknown events	Interpret and transform images and video into more structured, consumable data	Interpret and transform audible information into more structured, consumable data	Comprehend "written" unstructured information	Ability to create novel output

Computer Vision + **Generative AI** = **Dall-E**

NLP + **Audio** = **Siri, Alexa**

NLP + **Generative AI** = **ChatGPT, Bard**

LLMs Win The Adoption Race

ChatGPT Sprints to One Million Users

Statista Jan. 2023

Netflix (launched 1999) — 3.5 years
Airbnb (launched 2008) — 2.5 years
Kickstarter (launched 2009) — 2.5 years
Twitter (launched 2006) — 2 years
Foursquare (launched 2009) — 13 months
Facebook (launched 2004) — 10 months
Dropbox (launched 2008) — 7 months
Spotify (launched 2008) — 5 months
Instagram (launched 2010) — 2.5 months
ChatGPT (launched 2022) — 5 days

Time to reach one million users

Real-World LLM Applications

Service Automation

Automated manual tasks in the service desk, such as triaging information and routing appropriately. AI is also helping to determine priorities, categories, and summaries before escalating issues.

Automated Content Summarization

Organized, published and now updates text summaries based on live user reviews, quickly providing customers with meaningful content that also boosts search engine rankings. Automated 11 years' worth of editorial work in just months.

Knowledge Management

Conversational interface to streamline and improve access to the most relevant information, spanning thousands of pages of knowledge. Trained for a specific knowledge domain and highly specialized user access with domain relevant knowledge.