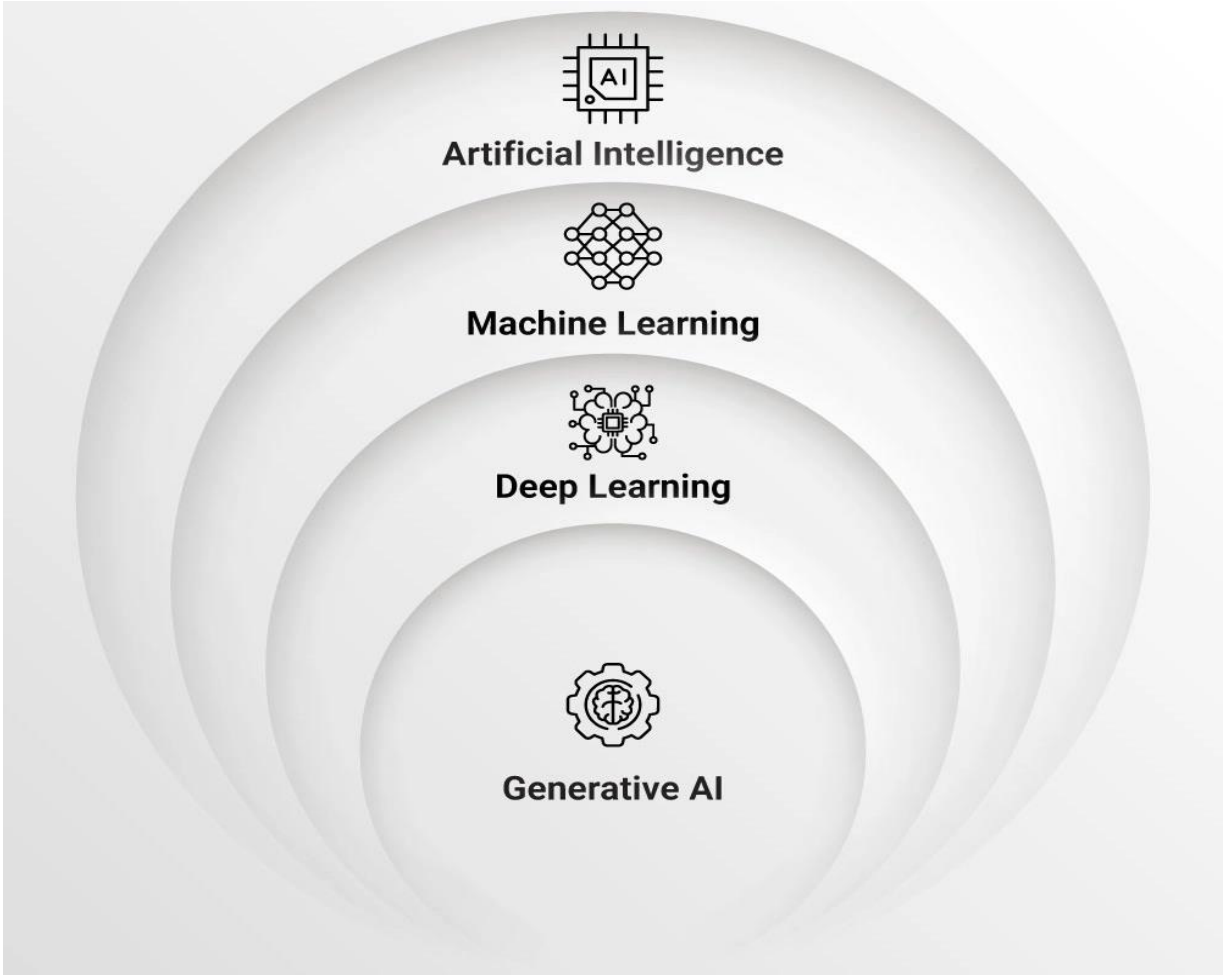
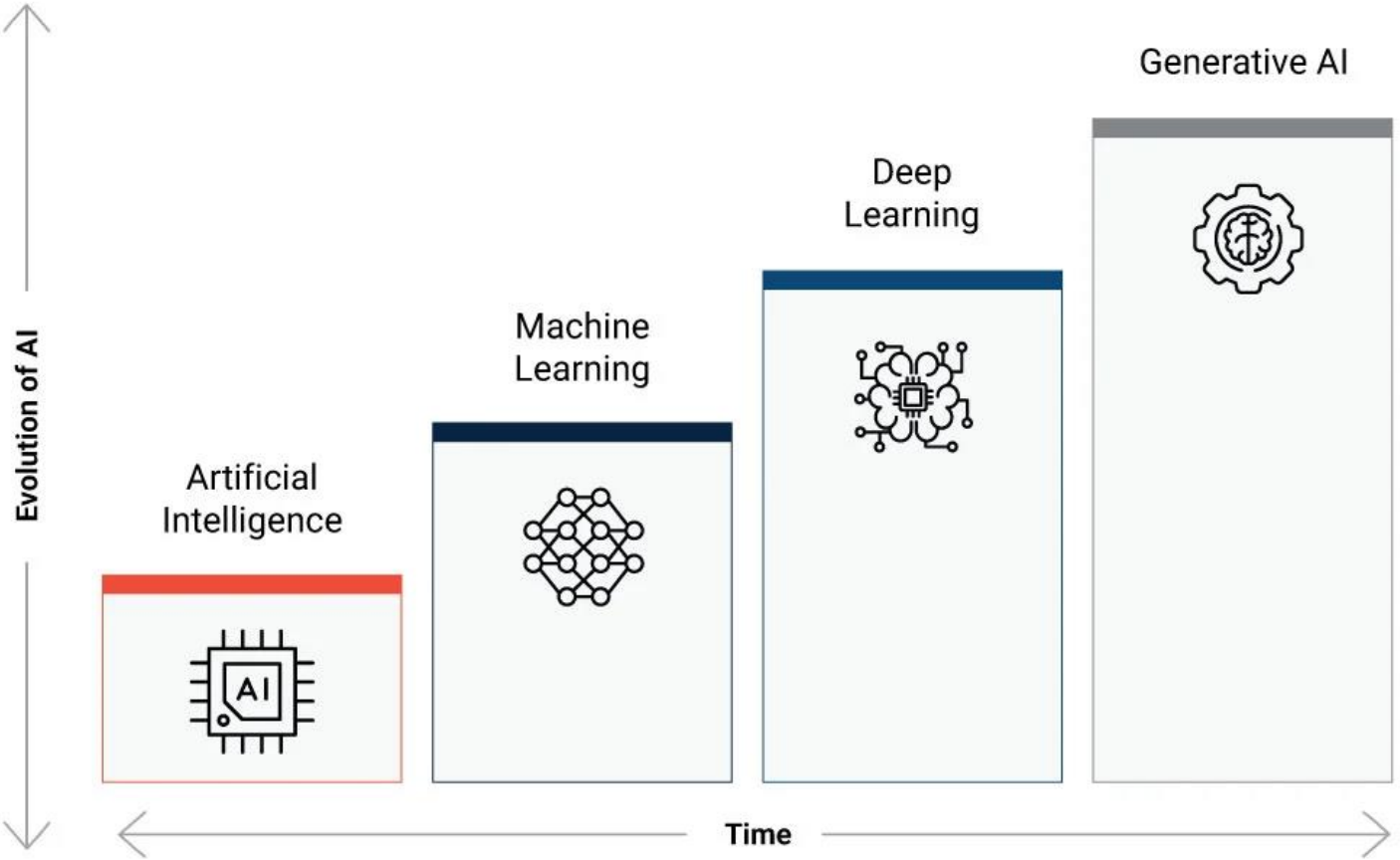
What is GenAI

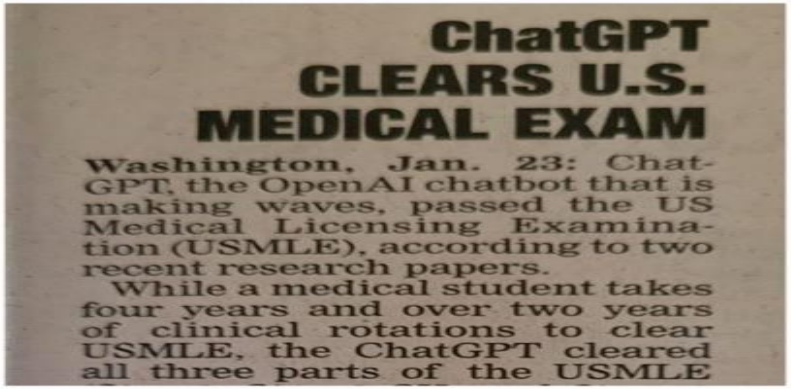


What is GenAI



Nov 30, 2022: ChatGPT Released

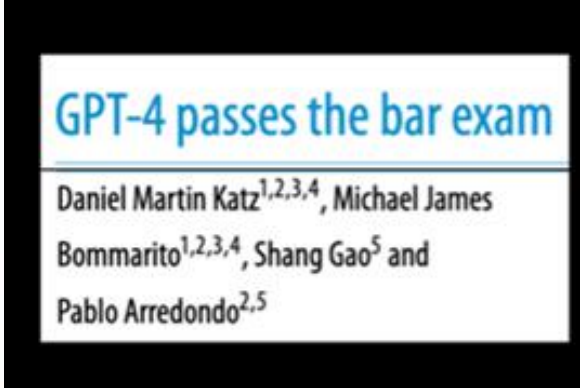
December: Hype ☑



ChatGPT
CLEARS U.S.
MEDICAL EXAM

Washington, Jan. 23: ChatGPT, the OpenAI chatbot that is making waves, passed the US Medical Licensing Examination (USMLE), according to two recent research papers.

While a medical student takes four years and over two years of clinical rotations to clear USMLE, the ChatGPT cleared all three parts of the USMLE



GPT-4 passes the bar exam

Daniel Martin Katz[1,2,3,4], Michael James Bommarito[1,2,3,4], Shang Gao[5] and Pablo Arredondo[2,5]

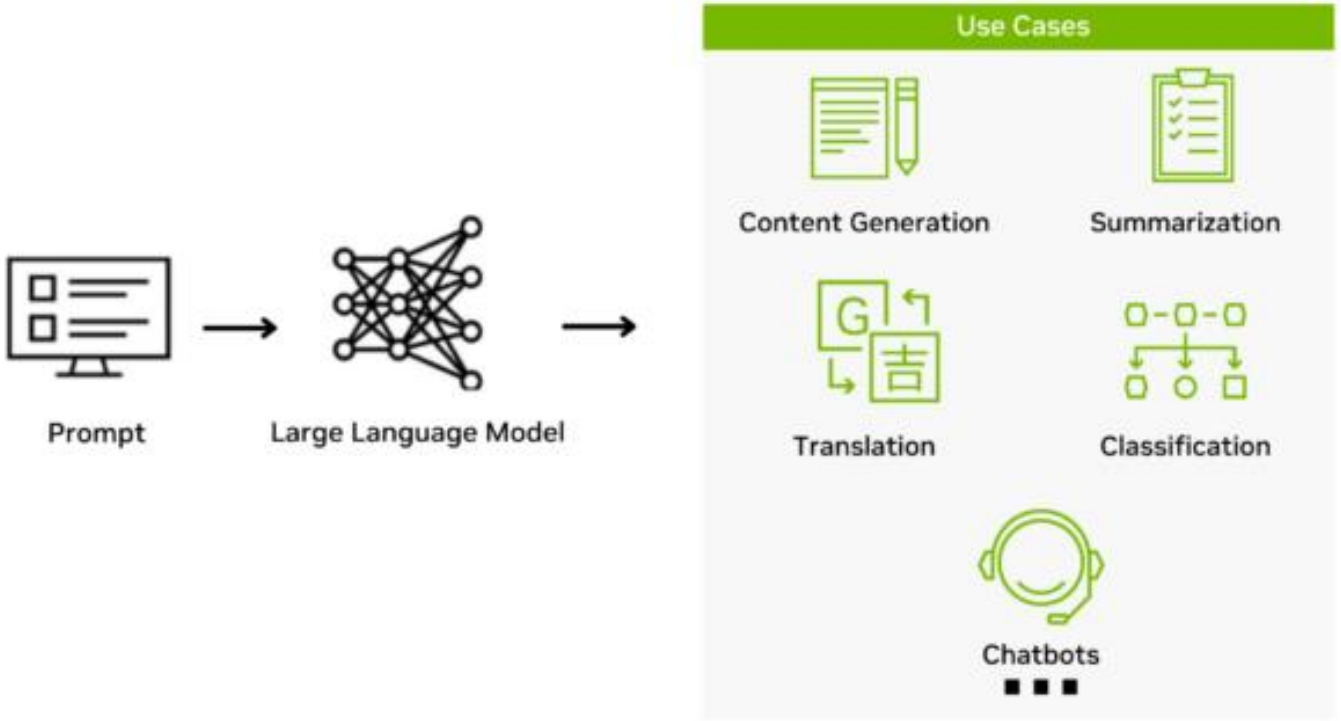
Exam	GPT-4	GPT-3.5
Uniform Bar Exam (MBE+MEE+MPT)	298 / 400 (~90th)	213 / 400 (~10th)
LSAT	163 (~88th)	149 (~40th)
SAT Evidence-Based Reading & Writing	710 / 800 (~93rd)	670 / 800 (~87th)
SAT Math	700 / 800 (~89th)	590 / 800 (~70th)
Graduate Record Examination (GRE) Quantitative	163 / 170 (~80th)	147 / 170 (~25th)
Graduate Record Examination (GRE) Verbal	169 / 170 (~99th)	154 / 170 (~63rd)
Graduate Record Examination (GRE) Writing	4 / 6 (~54th)	4 / 6 (~54th)
USABO Semifinal Exam 2020	87 / 150 (99th - 100th)	43 / 150 (31st - 33rd)
USNCO Local Section Exam 2022	36 / 60	24 / 60
Medical Knowledge Self-Assessment Program	75 %	53 %

inshorts

ChatGPT fails UPSC exam, answers only 54 out of 100 questions correctly: Report

ChatGPT has failed UPSC preliminary exam, Analytics India Magazine claimed. The chatbot answered only 54 out of 100 questions from Question Paper 1 (Set A) of UPSC Prelims 2022 correctly. As a result, it failed to clear the exam based on the 87.54 cut off in 2021. ChatGPT has limited knowledge of world and events after 2021, as per OpenAI.

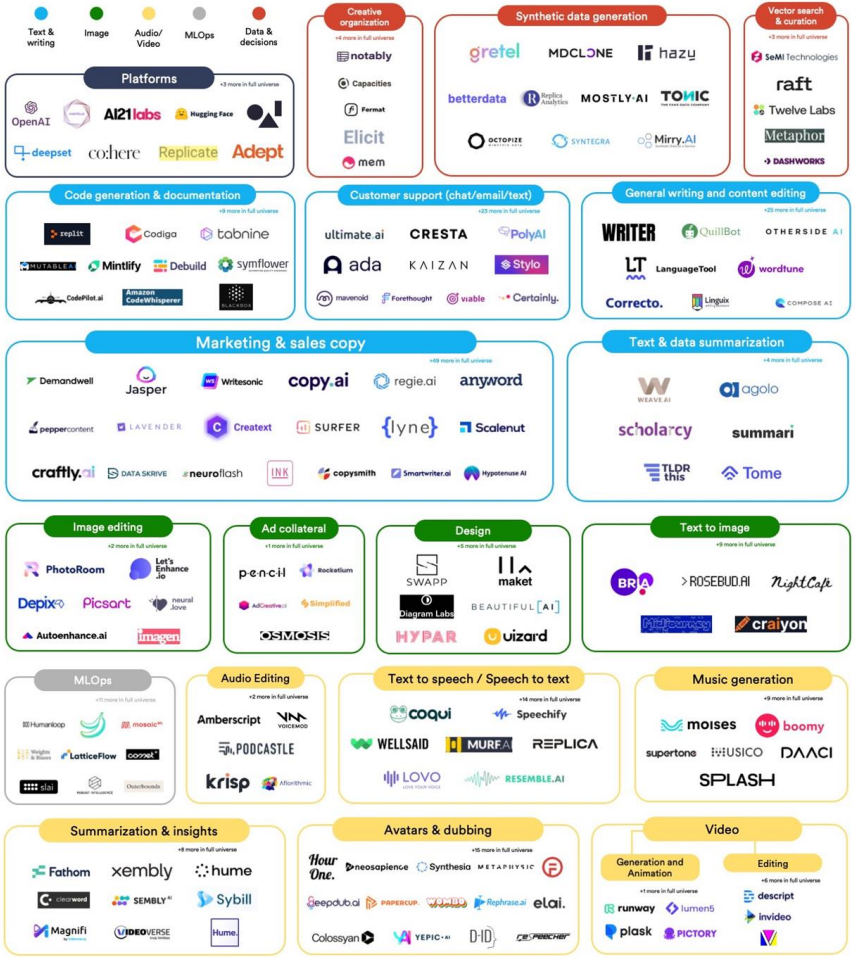
What is LLM?


Prompt
Large Language Model
Use Cases
Content Generation
Summarization
Translation
Classification
Chatbots

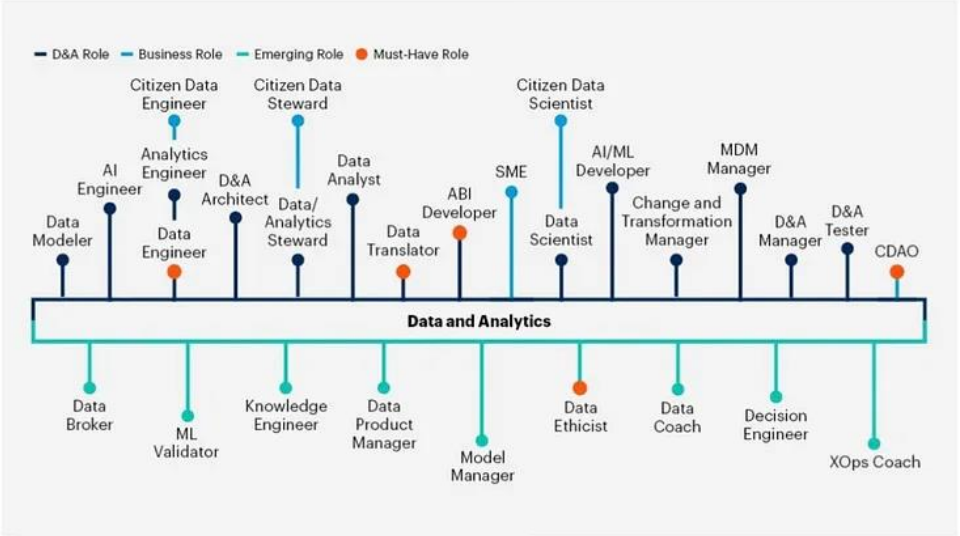
BASE10 TREND MAP: GENERATIVE AI

Base10

Companies are grouped based on medium produced and segmented by use case within each medium. Companies that offer products across segments are grouped in the segment of the core product offering.



The Emerging Spectrum of Data and Analytics Roles



Source: Gartner

© 2022 Gartner, Inc. and/or its affiliates. All rights reserved. 1808603

Gartner

Career Paths in AI and Data Science

Data Engineer

Business/Data Analyst

Machine Learning Engineer

Data Scientist

Career Paths

Data Engineer:
Responsible for designing, maintaining, and optimizing data infrastructure for data collection, management, transformation, and access. They are in charge of creating pipelines that convert raw data into usable formats for data scientists and other data consumers to utilize.

Data Analyst:
A data analyst sifts through data to uncover insights and patterns that help solve problems or make informed decisions.

Data Scientist:
A data scientist applies advanced statistical techniques to uncover patterns and develop predictive models from data.

Machine Learning Engineer:
Design and implement machine learning algorithms at scale, enabling machines to learn and make decisions autonomously.

Data Engineer

Data Scientists
ML Ops

ML Engineer

Data Analysts
ML Ops

Data Scientist

Data Analyst

How to get started

Foundational Education:

- Bachelor's Degree: In a relevant field such as computer science, statistics, mathematics, engineering, or a related discipline. Courses in programming, statistics, and mathematics will provide a solid foundation
- Online Courses: Enroll in online courses or tutorials in data science, machine learning, statistics, and programming languages such as Python and R. Platforms like Coursera, edX, and Udacity offer excellent courses taught by top universities and industry experts

Specialized Education:

- Master's Degree: Data Science, Machine Learning, Statistics, or a related field.
- Bootcamps: Attend data science bootcamps or immersive programs, which provide intensive training in practical data science skills over a shorter time period compared to traditional degree programs.

How to get started

Skill Development:

- Programming: Python and R
- Statistics and Mathematics
- Machine learning algorithms, techniques, and methodologies
- Data Visualization: Tableau, PowerBI etc.

Practical Experience:

- Projects
- Internships
- Kaggle Competitions, Hackathons

Continuous Learning & Networking:

- Stay updated on latest trends through blogs, podcasts etc.
- Network with professionals, join data science communities

Non-Technical Skills

Curiosity

Critical thinking

Communication

Collaboration

Q&A