

# What Is Generative AI?

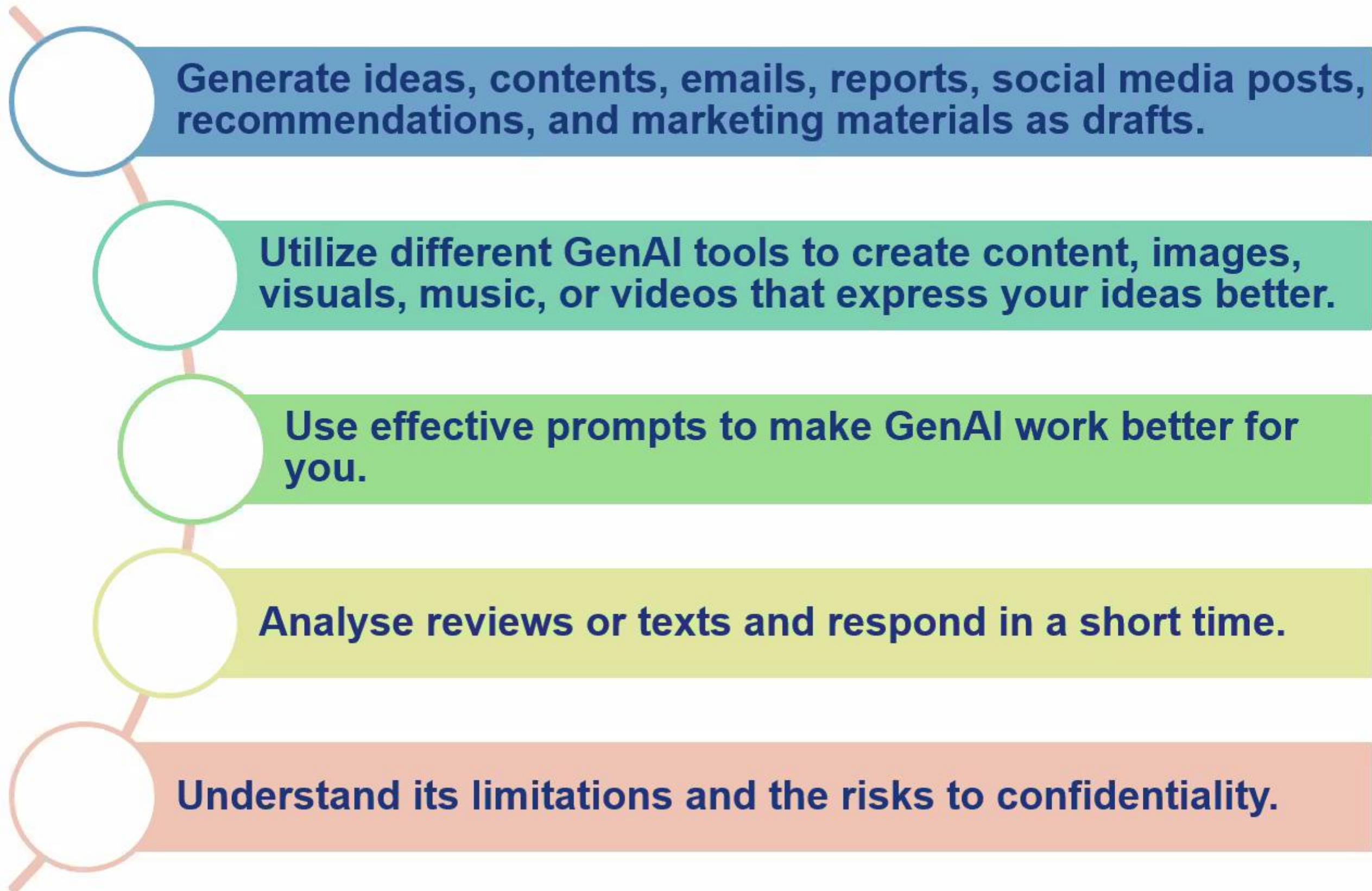
Generative artificial intelligence (AI) is a subset of Artificial Intelligence that can create original content, including images, texts, audio, video, and code, based on a description given by a user. Generative AI is your own personal assistant.

## Benefits of Gen AI

- Gain a competitive edge in the job market and be better prepared.
- Unleash your creativity and produce new ideas or solve problems.
- Utilize generative AI as your personal assistant to help learn better .
- Utilize generative AI to verify your work and get work done faster .

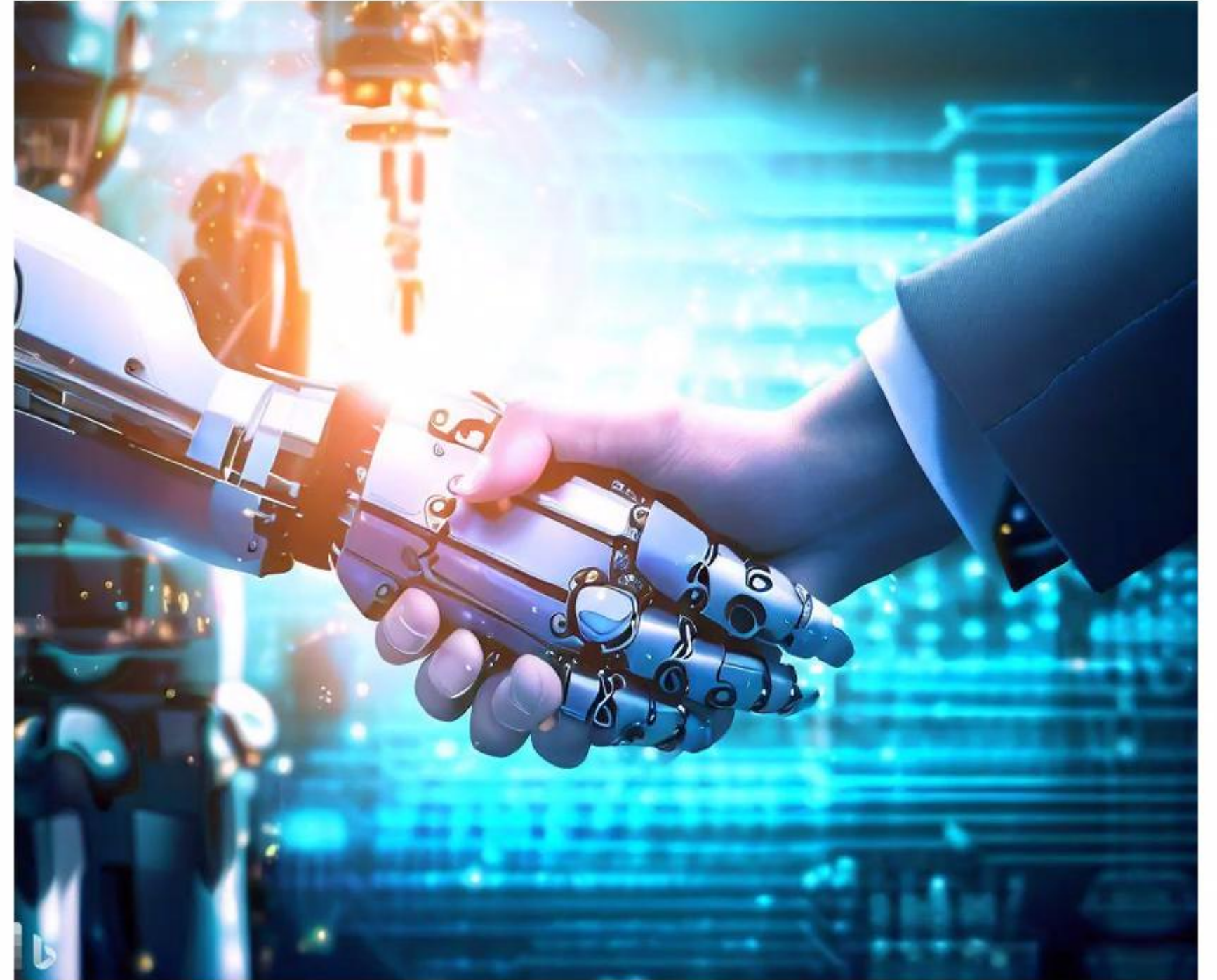


# After this Session, You'll be able to:





# **Gen AI Your Productivity Partner**



**Skill: The Sweet  
Foundation,  
Productivity: The  
Tasty Topping**





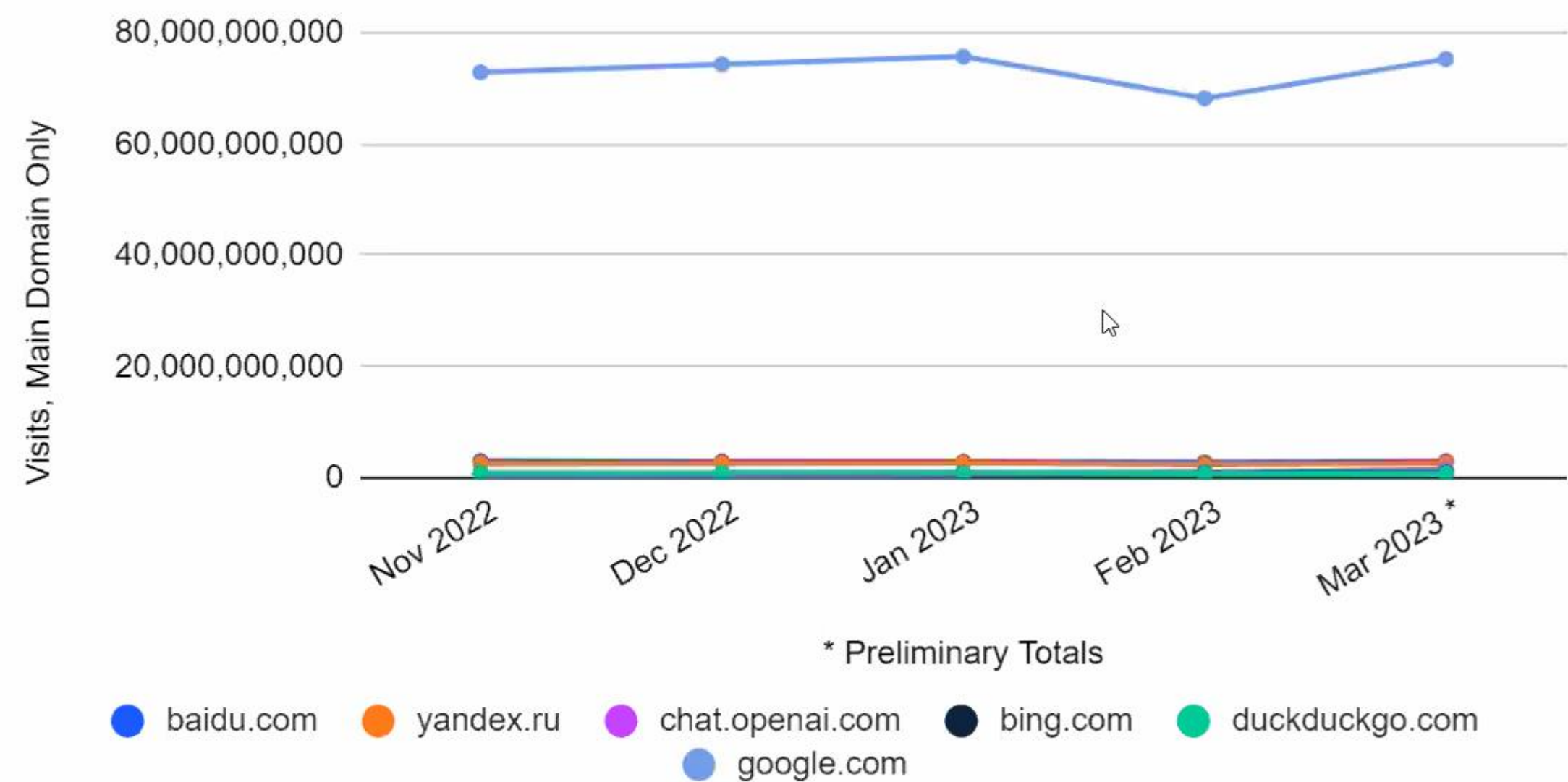
# What Is ChatGPT?

- ChatGPT is a generative AI model designed for **generating human-like text**.
- ChatGPT is **trained on large datasets** to understand language patterns and structures.
- It **interacts** with the users in a **conversational** way.
- It finds applications in **virtual assistants, content generation, customer support**, and more.
- In everyday life, ChatGPT **assists** users with tasks like **drafting emails, writing social media posts, answering questions**, and providing **personalized recommendations**.
- Users can guide ChatGPT's response by giving it prompts tailored to their specific needs.
- The **quality and relevance** of generated content can be **adjusted** by **modifying the prompt**, making ChatGPT versatile for various purposes.

# ChatGPT – Massive Leader

## ChatGPT and Search Engines

Monthly Visits Desktop & Mobile Web Worldwide



## Top 5 ChatGPT User Statistics

- ChatGPT currently has over **100 million** users
- In just **5 days**, ChatGPT surpassed 1 million users
- openai.com gets approximately **1 billion** visits per month

Source: <https://explodingtopics.com/blog/chatgpt-users>

# What are Other Generative AI Tools For Performing Different Tasks?

- **Perplexity:** An AI tool that helps analyse large datasets and generate insights for decision-making processes.
- **BARD:** A conversational generative AI chatbot developed by Google, designed for generating human-like text in response to input prompts.
- **Bing Chat:** An AI search engine powered by GPT-4, providing comprehensive answers and real-time information.
- **Bing Image Creator:** An AI-powered tool that generates images based on user-provided text descriptions.
- **Lumen5:** A video creation platform powered by AI that enables users to create engaging video content within minutes.
- **Mubert:** An AI-powered music generation tool that creates unique and personalized music tracks.



# What Are the Limitations of Generative AI?

- **Limited creativity:** Generative AI models can create new data based on existing patterns but may lack originality and true creativity.
- **Quality of generated outputs:** The outputs produced by generative AI systems may not always be of high quality and can contain errors or artifacts.
- **Control over generated outputs:** It can be challenging to control the content generated by AI models, which may lead to unwanted or inappropriate results.
- **Bias and fairness:** Generative AI models may inadvertently learn and perpetuate biases present in the training data, leading to unfair or discriminatory outcomes.
- **Potential misuse and abuse:** Generative AI models can be misused for malicious purposes, such as generating deepfakes, disinformation, or spam content.
- **Lack of transparency:** Many generative AI models lack visibility into how they generate their responses, making it difficult to understand and trust their outputs.
- **Accuracy in critical applications:** In industries like healthcare, where accuracy is crucial, generative AI may not yet be sufficiently accurate for certain applications.
- **Outdated information and non-factual data:** Generative AI models may generate content based on outdated or incorrect information, as they rely on the data they were trained on, which may not always be up-to-date or accurate.



# What is the Future of Generative AI?

- **Increased accuracy and quality:** Ongoing advancements in AI research and technology will likely lead to improved accuracy and quality of generated content across various domains.
- **Wider adoption:** As generative AI becomes more accessible and user-friendly, its adoption across industries and applications is expected to grow, leading to increased productivity and innovation.
- **Multimodal AI models:** The development of more advanced multimodal AI models will enable the generation of content that combines different types of inputs and outputs, such as text, images, audio, and video.
- **Ethics and regulation:** As generative AI becomes more prevalent, ethical considerations and regulatory frameworks will play a crucial role in guiding its responsible development and deployment.
- **Collaborative AI:** The future of generative AI may involve more collaboration between AI models and humans, with AI systems augmenting human creativity and decision-making processes.