

# AI Chatbots and Image creators

**What is an AI chatbot?** An AI chatbot is a software application that uses natural language processing (NLP) and machine learning (ML) to interact with human users through text or voice. They can perform various tasks, such as answering questions, providing information, generating content, or having conversations.

**How do AI chatbots work?** AI chatbots work by using large-scale language models (LLMs), such as GPT-4, that are trained on massive amounts of text data from the web. These models can learn the patterns and rules of natural language and generate coherent and relevant responses based on user inputs. Some AI chatbots also use other models or algorithms, such as image generation, speech recognition, or sentiment analysis, to enhance their capabilities.

**Bing ChatGPT** features: OpenAI's most advanced LLM, GPT-4

<https://bing.com/chat>

- Has access to the internet
- Works like a search engine with information on current events
- Shows Sources
- Microsoft Account required for full access
- Free

**ChatGPT** features: Uses OpenAI's GPT-3.5 or GPT-4 (if subscribed)

<https://chat.openai.com/auth/login>

- Can generate text, solve math problems, and code
- Offers conversation capabilities
- Does not show sources
- ChatGpt sign up required
- Free (GPT 3.5) Subscription (GPT-4)

**Perplexity AI** features: OpenAI GPT-3 and GPT-4

<https://www.perplexity.ai/>

- Has access to the internet and current events
- Provides prompt suggestions to get chats started
- Shows sources
- Can use anonymously or sign up for an account
- Free, Subscription upgrade

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**Google Bard** features: Powered by PaLM 2, created by Google

<https://bard.google.com>

- Includes a Google it" feature
- Has access to the internet and current events?
- Does not show sources
- Free

**Elicit:** Searches Research Papers

<https://elicit.com>

- Requires Account
- 5,000 free Credits then costs

## Image Generators

Converts natural language prompts into images.

**Midjourney:**

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

- Requires Account
- Paid Plans

**Dall-E :** Created by OpenAi

<https://openai.com/dall-e-2>

- Requires an Account
- Limited free version based on credits

**Bing Image Creator:** based on Dall-E by OpenAi

<https://www.bing.com/create>

- Requires a Microsoft Non-Business account
- Free