

# AI

## Helpful jargon

- SOTA model - state of the art model; the most intelligent, advanced, up to date model available in the market (AI companies releases models regularly so you need to keep track)
  - OpenAI GPT o3
  - OpenAI GPT 4.1 (4.5 is available but crazy expensive and only as research preview)
  - Claude Sonnet 3.7
  - Google Gemini 2.5 (Flash and Pro)
  - xAI Grok 3
- Open-source models - not for profit, available to download and run on your computer (needs powerful machine). They are usually 1 generation behind SOTA.
  - DeepSeek R1
  - Meta Llama 4
  - Alibaba Qwen 3
- Multimodal - can take images as input
- Thinking model - able to, in multiple times, self-reflect and check response before responding to user. This reduces hallucination and increases accuracy.
  - DeepSeek R1
  - Google Gemini 2.5 Pro (Flash is non-thinking)
  - OpenAI GPT o3
  - Claude Sonnet 3.7 has a "Thinking" mode
- Function-calling/Tool-calling/MCP - it's just another term for giving an AI model access to tools to expand it's capabilities and use (imagine Homo erectus with fire and other tools)

## Chat

1. <https://chatgpt.com/> - free
2. <https://chat.deepseek.com/> - free SOTA
3. <https://www.perplexity.ai/>
4. <https://aistudio.google.com/> - free SOTA
5. <https://gemini.google.com/app>
6. <https://claude.ai/new>

# Deep Research

1. <https://chatgpt.com/>
2. <https://www.perplexity.ai/>
3. <https://websets.exa.ai/>
4. <https://gemini.google.com/app>
  1. Flash 2.0 is free
5. <https://claude.ai/new>

# Image generation

1. <https://sora.chatgpt.com/>
2. <https://aistudio.google.com/gen-media>

# Generic tools

1. <https://manus.im/>

# Design

1. <https://www.lovard.ai/home>
2. <https://www.canva.com/ai>
3. <https://gamma.app/>

# Prototyping

Take note that multi-modal SOTA models can take a mockup (low or high, doesn't matter) and output code.

1. <https://replit.com/~>
2. <https://lovable.dev/>
3. <https://v0.dev/>

#### 4. <https://bolt.new/>

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