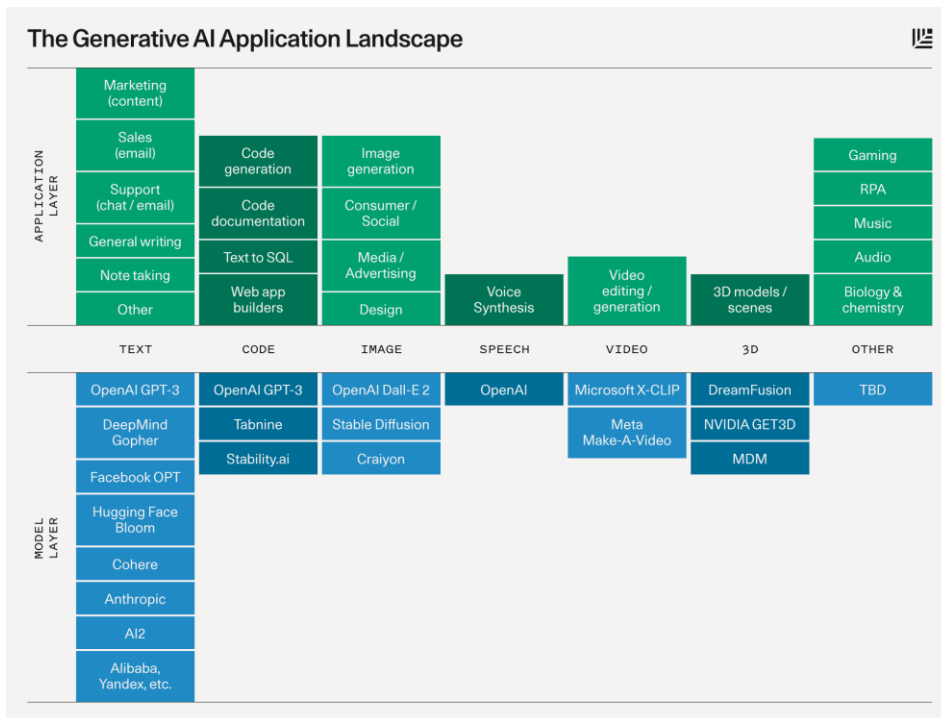


Generative AI: Tools & Landscape

General Overview

Generative AI Tools

Application Landscape



Source: <https://www.sequoiacap.com/article/generative-ai-a-creative-new-world/>

Generative AI Tools

Application Landscape Maturity

	PRE - 2020	2020	2022	2023?	2025?	2030?
TEXT	Spam detection Translation Basic Q&A	Basic copy writing First drafts	Longer form Second drafts	Vertical fine tuning gets good (scientific papers, etc)	Final drafts better than the human average	Final drafts better than professional writers
CODE	1-line auto-complete	Multi-line generation	Longer form Better accuracy	More languages More verticals	Text to product (draft)	Text to product (final), better than full-time developers
IMAGES			Art Logos Photography	Mock-ups (product design, architecture, etc.)	Final drafts (product design, architecture, etc.)	Final drafts better than professional artists, designers, photographers)
VIDEO / 3D / GAMING			First attempts at 3D/video models	Basic / first draft videos and 3D files	Second drafts	AI Roblox Video games and movies are personalized dreams

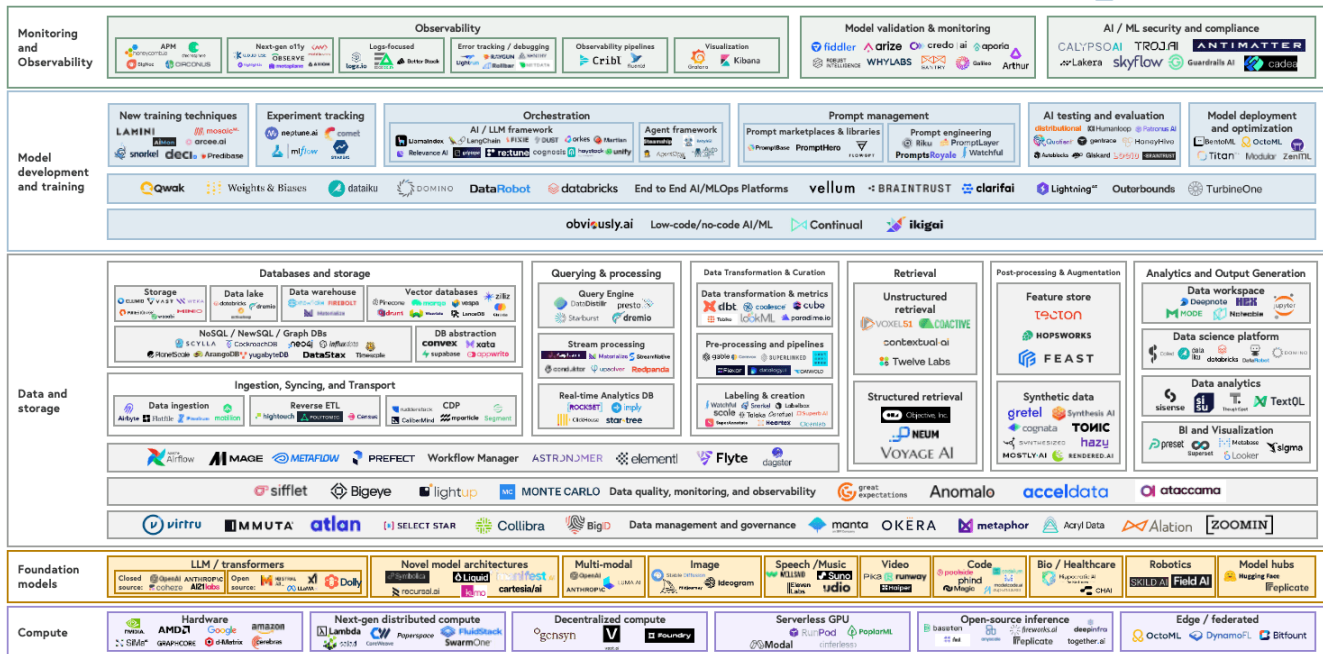
Large model availability: ● First attempts ● Almost there ● Ready for prime time

Source: <https://www.sequoiacap.com/article/generative-ai-a-creative-new-world/>

Generative AI Tools

AI Data and Infrastructure Market Map

The new Data + AI Infrastructure market map



Note: Some companies are repeated across categories if they provide multiple solutions across the stack

Source: <https://nextword.substack.com/p/why-ai-infrastructure-startups-are?ref=dailydev>

Generative AI Tools

Introduction

Chatbots (Text generation)



Claude

Gemini

Text to Code

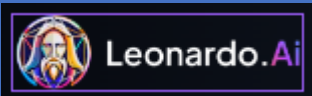


GitHub
Copilot



CURSOR

Text to Image



DALL·E 3

Image to Image



Aragon.ai



fal

Text to Sound / Music

IIElevenLabs

SUNO

Text

Generative AI Tools

Text: NotebookLM

- creates RAG on your document on the fly
- has AI search
- literature review

The screenshot displays the NotebookLM web interface. At the top, it says '* Notebook-Leitfaden'. Below this, there's a section 'Hilfe beim Erstellen' with buttons for 'Häufig gestellte Fragen', 'Arbeitshilfe', 'Inhaltsverzeichnis', 'Zeitachse', and 'Briefingdokument'. The main content area is titled 'Zusammenfassung' and contains a paragraph of text about ARK Invest and humanoid robots. To the right, there's an 'Audioübersicht' section with a play button and a progress bar showing '00:08 / 10:54'. Below that, 'Vorgeschlagene Fragen' lists three questions related to humanoid robots. At the bottom, there's a 'Chat anzeigen' button, a search bar with '1 Quelle' and 'Text eingeben...', and a 'Notebook-Übersicht' button. A small disclaimer at the very bottom states: 'NotebookLM kann Fehler machen, also überprüfen Sie die Antworten.'

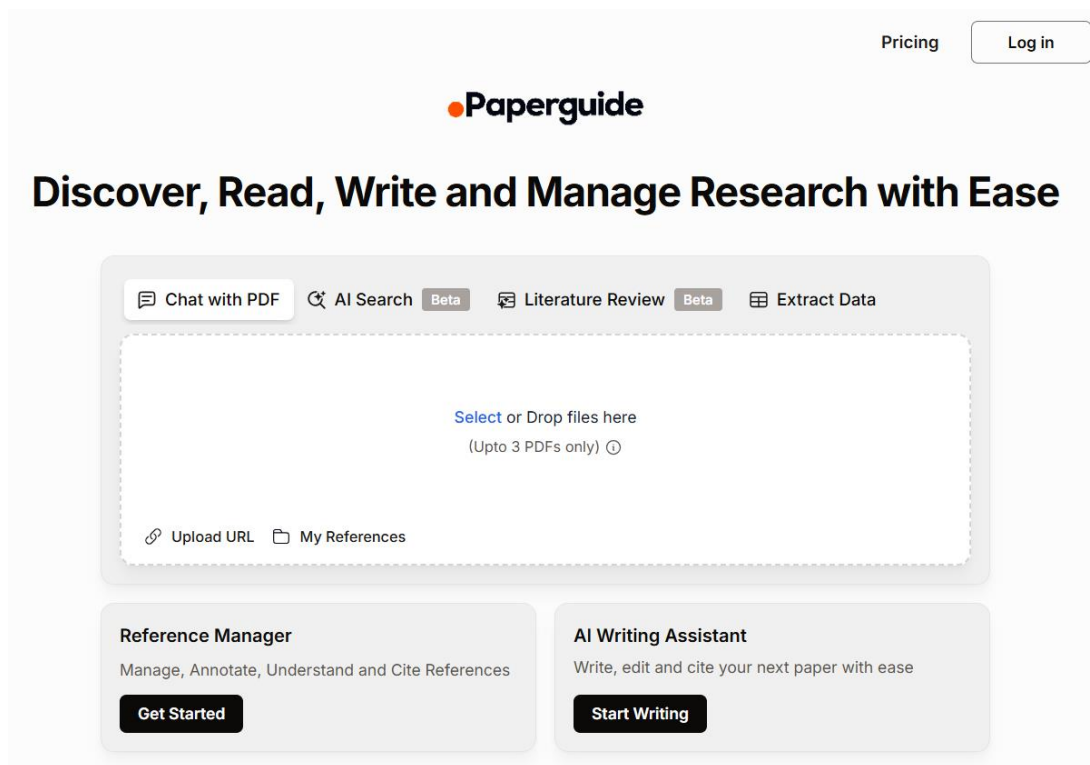
Source: <https://notebooklm.google.com/notebook/dfdabbb2-3529-47a8-ac65-0fce0b8cdde4>

Generative AI Tools

Text: NotebookLM

- creates RAG on your document on the fly
- creates a lively podcast of two podcasters discussing the topic

Source: <https://paperguide.ai/>



Images & Video

Generative AI Tools

Text2Image: Leaderboard

Spaces ArtificialAnalysis/Text-to-Image-Leaderboard 261 Running

App Files Community 3

Artificial Analysis Text to Image Model Leaderboard

Quality evaluation of Text to Image Models based on the Image Arena of crowdsourced preferences.

To participate in the Image Arena see the Image Arena tab. You will also be able to see your own personal model ranking after 30 submissions.






For further details on [methodology](#) and analysis of speed & price, see [artificialanalysis.ai](#).

Leaderboard

Image Arena

Personal Arena Leaderboard

TEXT TO IMAGE MODEL LEADERBOARD

CREATOR	NAME	ARENA ELO	ARENA WIN RATE	# SELECTIONS
 Recraft AI	Recraft V3	1169	72%	39618
 Black Forest Labs	FLUX1.1 [pro]	1135	67%	51641
 Black Forest Labs	FLUX.1 [pro]	1114	66%	55497
 Midjourney	Midjourney v6.1	1098	63%	52332
 Ideogram	Ideogram v2	1094	63%	52013

Source: <https://huggingface.co/spaces/ArtificialAnalysis/Text-to-Image-Leaderboard>

Generative AI Tools

looka.com



[Logo Maker](#)

[Brand Kit](#)

[How It Works](#)

[Reviews](#)

[Logo Ideas](#)

[Blog](#)

[Log in](#)

[Sign up](#)

Free Logo Maker

Looka Logo Maker combines your logo design preferences with Artificial Intelligence to help you create a custom logo you'll love. All it takes is a few clicks and five minutes.

[Let's make a logo!](#)




create branding content like logos

Generative AI Tools

looka.com

fiverr logo maker.

My Logos Explore 


Logo Maker

Make a professional logo in a few clicks

Type your brand name

Make Your Logo

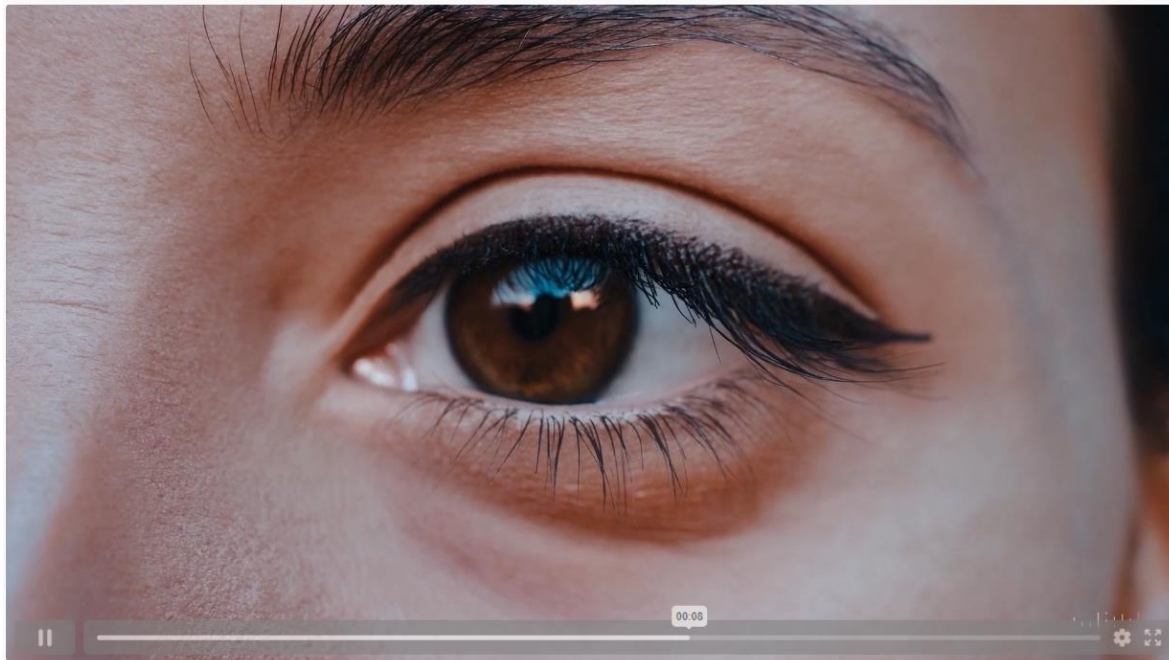
★★★★☆ 4.7/5 from 4,276 ratings



<https://www.fiverr.com/logo-maker>

Generative AI Tools

Text2Video: Open AI Sora



Prompt: Extreme close up of a 24 year old woman's eye blinking, standing in Marrakech during magic hour, cinematic film shot in 70mm, depth of field, vivid colors, cinematic

Source: <https://openai.com/index/sora/>

Generative AI Tools

Text2Video: Microsoft Talking Faces



Source: <https://www.microsoft.com/en-us/research/project/vasa-1/>

Generative AI Tools

Text2Image: Finetuned Text to Image Model



Generative AI Tools

Text2Video



Image (AI generated)

a video showing an astronaut in a spacesuit floating gracefully inside a modern space station. The astronaut should appear relaxed, moving slowly as they float weightlessly, occasionally reaching out to gently push off walls or grab onto handrails. The background should include details of the space station's interior, with cables, control panels, and ambient lighting adding to the realistic feel. The video should convey the calm, serene experience of zero gravity as the astronaut navigates through the station.

Prompt (AI generated)

wait for it

Generative AI Tools

Text2Video



Generative AI Tools

Text2Video (fal.ai)



Image (AI generated)

the dog turns the head to watch the gladiator. the gladiator walks towards the dog. the focus gradually changes from dog to gladiator

Prompt (AI generated)



Model: fal-ai/minimax-video/image-to-video

Generative AI Tools

Video2Video (runwayml.com)



Video (AI generated)

zoom 3D cartoon, professionally rendered with volumetric lighting and shadows, [your prompt here] in the style of professional 3D render, expressive features, 3D ray traced lighting and shadows, high fidelity 3D cartoon render.

Prompt (AI generated)



Source: runwayml

Generative AI Tools

Video2Video (runwayml.com)



Driving Performance

Generated Character Animations

Source: <https://runwayml.com/research/introducing-act-one>

Generative AI Tools

AI Video (klingai.com)



Sign in for free credits

API Calls

NEW

Sign In

Home

Community

AI Images

AI Videos

My Space

My Creatives

KLING AI, SPARK YOUR IMAGINATION

Next-Generation AI Creative Studio

AI Images

Powered by KOLORS®



AI Videos

Powered by KLING®

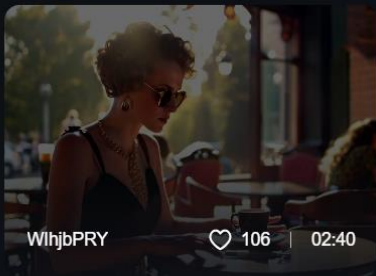


Video Editor

The feature is coming! We'll share with you soon.

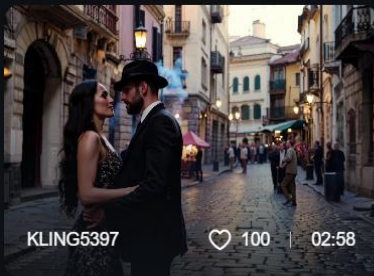
Trending Shorts

More >



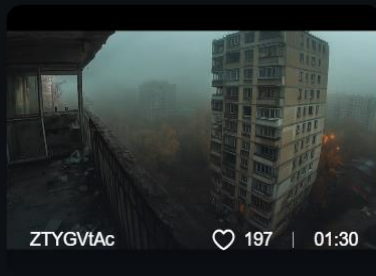
WihjbPRY

106 | 02:40



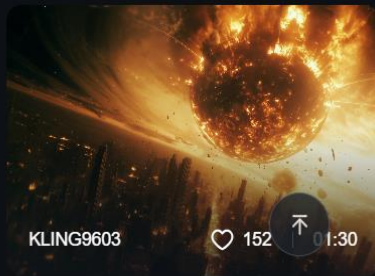
KLING5397

100 | 02:58



ZTYGVtAc

197 | 01:30



KLING9603

152 | 01:30

Release Notes

Generative AI Tools

AI Video (<https://byteaigc.github.io/X-Portrait2/>)

X-Portrait 2: Highly Expressive Portrait Animation

Xiaochen Zhao^{1,2}, Hongyi Xu¹, Guoxian Song¹, You Xie¹, Chenxu Zhang¹, Xiu Li¹, Linjie Luo¹, Jinli Suo², Yebin Liu²,

¹ByteDance Inc., ²Tsinghua University



Music

Generative AI Tools

Music Generation (suno.com)

SUNO

Home

Create

Library

Explore

Search

Invite Friends

520 Credits

Subscribe

What's New?

Help

About

Careers

Notifications



Library

Songs

Playlists

Following

Followers

History

Scenes

Liked

Public

Search by song name, style or lyrics

Upload Audio

1



Odyssey's Heartbeat v3.5
cinematic orchestral dramatic

Extend

Public



Magical Adventures v3.5
upbeat pop fantastical

Extend

Public



Magical Adventures v3.5
upbeat pop fantastical

Extend

Public



Epic Odyssey v3.5
cinematic grand rock

Extend

Public



Magical Adventures
BertGollnick | 00:02 / 01:34



Magical Adventures

upbeat pop fantastical



BertGollnick

20. September 2024 um 7:27




[Instrumental]

AI Search

Generative AI Tools

AI Search (perplexity.ai)

perplexity

New Thread

Ctrl I

Home

Discover

Library


Sign Up

Log in

Now

Black Fungus is Healing Chernobyl

Black Fungus is Healing Chernobyl

Sources

Healing Power of Mushrooms: What Chernobyl's Mysterious...


yinovacenter · 1

A Black fungus is healing Chernobyl by absorbing nuclear radiation!

timesofindia.india... · 2

Radiotrophic fungus - Wikipedia

en.wikipedia · 3



View 5 more

Search Images

Search Videos

Generate Image

Perplexity

The discovery of radiation-absorbing black fungi in Chernobyl has revealed fascinating insights into the adaptability of life and potential applications for environmental remediation and space exploration.

The Remarkable Black Fungi of Chernobyl

In 1991, researchers discovered a jet-black fungus growing inside the remains of the Chernobyl nuclear reactor ¹ ⁴. This fungus, later identified as *Cladosporium sphaerospermum*, exhibited an extraordinary ability to thrive in the highly radioactive environment ².

Melanin: The Key to Radiation Absorption

The secret to these fungi's radiation resistance lies in their high melanin content ¹ ³. Melanin, the same pigment that gives human skin its color, plays a crucial role in protecting the fungi from radiation damage. More remarkably, these fungi can convert radiation into energy, with melanin acting as a biological solar panel of sorts ¹ ⁵.

Radiotropism and Growth

Studies have shown that these melanin-rich fungi exhibit "radiotropism" - the tendency to grow towards sources of ionizing radiation ³. In fact, some fungi were observed to grow fa

Ask follow-up

Pro

Potential Applications

Generative AI Tools

OpenAI (chat.com)

ChatGPT ▾

wie entwickelt sich ethereum?



Searched 3 sites ^



"aktueller Stand Ethereum Entwicklung 2024"

bing.com



BeInCrypto — Ethereum Prognose 2024 — 2027: ETH Kursausblick & langfristige Vorhersage —...

de.beincrypto.com



99Bitcoins — Ethereum Prognose 2024: ETH Prognose aktuell & bis 2030

99bitcoins.com



Bitcoin2Go — Ethereum Kurs Prognose: 2024, 2025 und 2030

bitcoin-2go.de

web search

Ethereum zeigt sich derzeit als stabile und etablierte Plattform im Kryptomarkt und verzeichnet seit Anfang 2024 einen Kursanstieg von etwa 50 %. Aktuell bewegt sich der Preis um die 2.900 USD-Marke. Der Kurs profitierte von wachsender institutioneller Akzeptanz, wie z.B. der Genehmigung für Krypto-ETFs und der Kryptoverwahrung durch ↓ Be Banken, was das Vertrauen in Ethereum stärkt. Allerdings bleibt der Markt durch globale wirtschaftliche Unsicherheiten und die Zinspolitik der

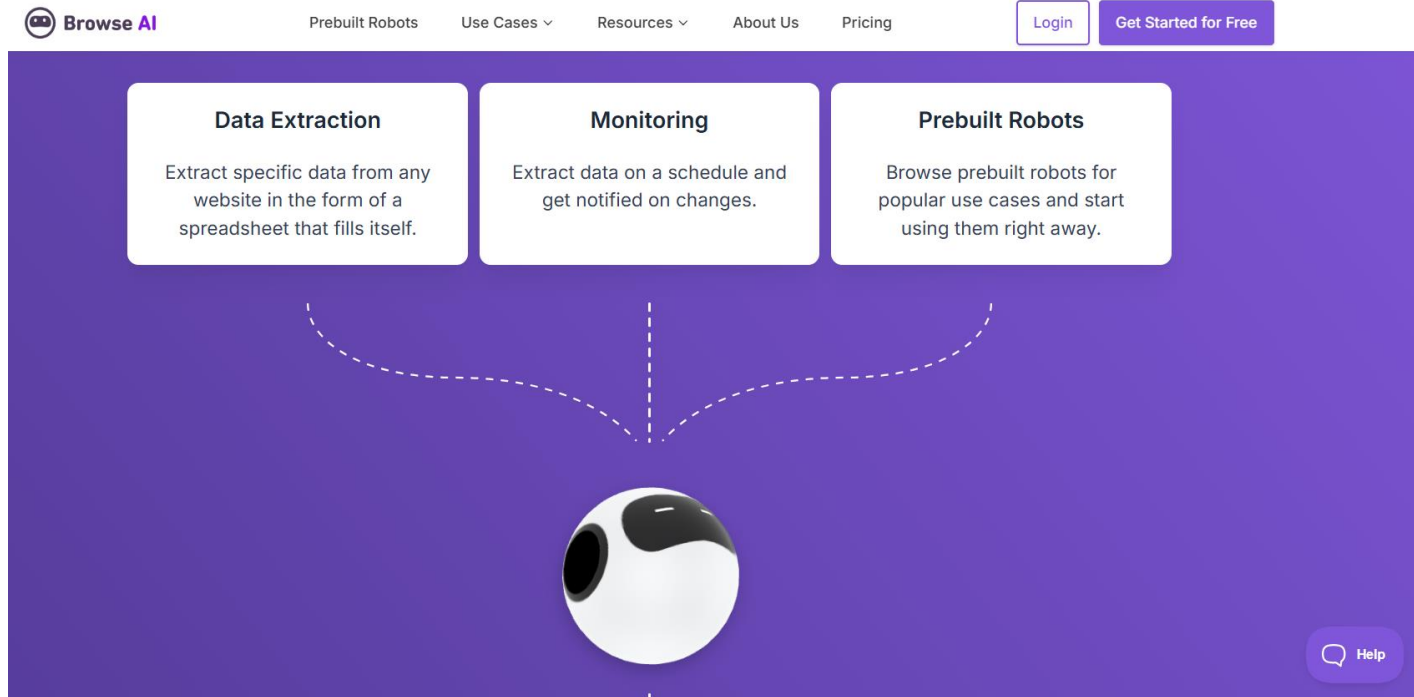


Message ChatGPT



Generative AI Tools

browse.ai



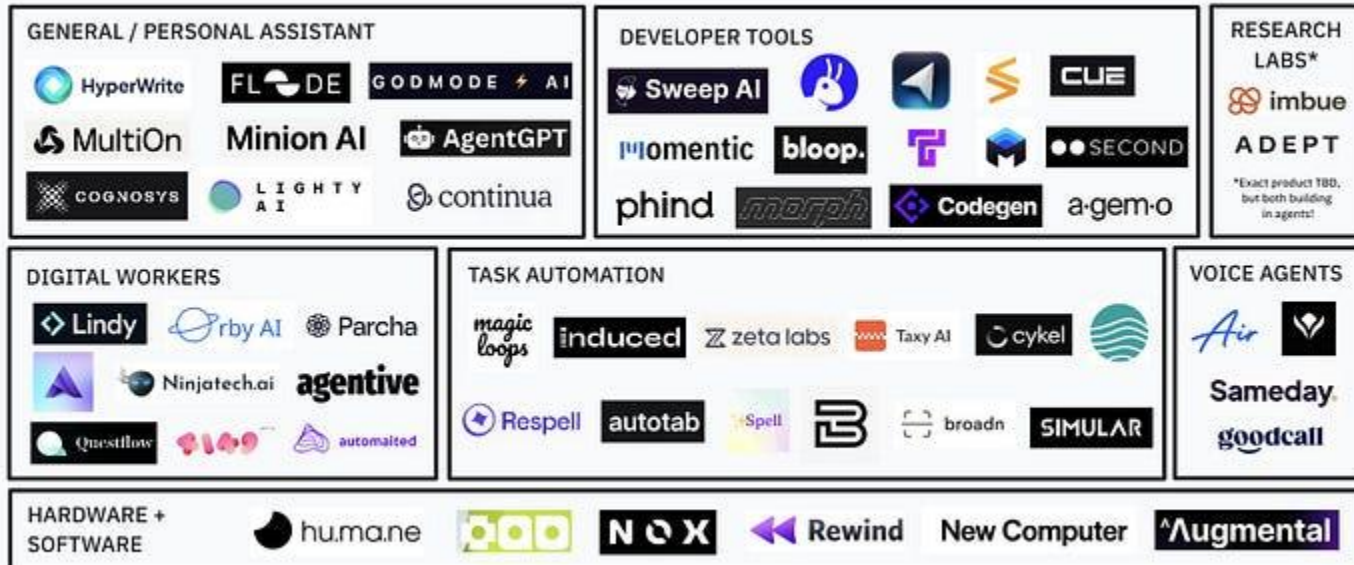
scrape websites via robot

Agents

Generative AI Tools

AI agents

AI Agents Market Map - December 2023



@omooretweets

Source: <https://towardsdatascience.com/navigating-the-ai-landscape-of-2024-trends-predictions-and-possibilities-41e0ac83d68f>

Generative AI Tools

bolt.new

bolt

Modern Snake Game Implementation

Download

Open in StackBlitz

Deploy



develop a snake game

I'll create a beautiful and modern Snake game with a sleek UI, score tracking, and smooth controls.

Modern Snake Game Implementation

- ✓ Create initial files
- ✓ Install dependencies

```
npm install
```

Create `src/components/Game.tsx`

How can Bolt help you today?



Code Preview

Files

src

Game.tsx

App.tsx

index.css

main.tsx

vite-env.d.ts

.gitignore

eslint.config.js

index.html

package-lock.js...

package.json

postcss.config.js

tailwind.config.js

tsconfig.app.json

src > components > Game.tsx

```
1 import React, { useState, useEffect, useCallback } from 'react';
2 import { Trophy, Play, RotateCcw } from 'lucide-react';
3
4 type Position = {
5   x: number;
6   y: number;
7 };
8
9 const GRID_SIZE = 20;
10 const CELL_SIZE = 20;
11 const INITIAL_SPEED = 150;
12
13 export default function Game() {
14   const [snake, setSnake] = useState<Position[]>([{ x: 10, y: 10 }]);
15   const [food, setFood] = useState<Position>({ x: 15, y: 15 });
16   const [direction, setDirection] = useState<string>('RIGHT');
17   const [gameOver, setGameOver] = useState<boolean>(false);
18   const [score, setScore] = useState<number>(0);
19   const [highScore, setHighScore] = useState<number>(0);
20   const [isPaused, setIsPaused] = useState<boolean>(true);
21 }
```

Bolt

Terminal

+

```
run 'npm fund' for details
```

```
~/project 8s
>
```


Gaming

Generative AI Tools

Open world AI generated (oasis.decart.ai)

OASIS



You're about to enter a first-of-its-kind video model, a game engine trained by millions of gameplay hours. Every step you take will shape the environment around you in real time.

NEXT →

Robotics

Generative AI Tools

Robot learns to walk in 2 days



Source: <https://x.com/i/status/1852246146049282531>

Generative AI Tools

Robot with sense of touch (<https://ai.meta.com/blog/fair-robotics-open-source/>)



Our approach ▾

Research ▾

Product experiences ▾

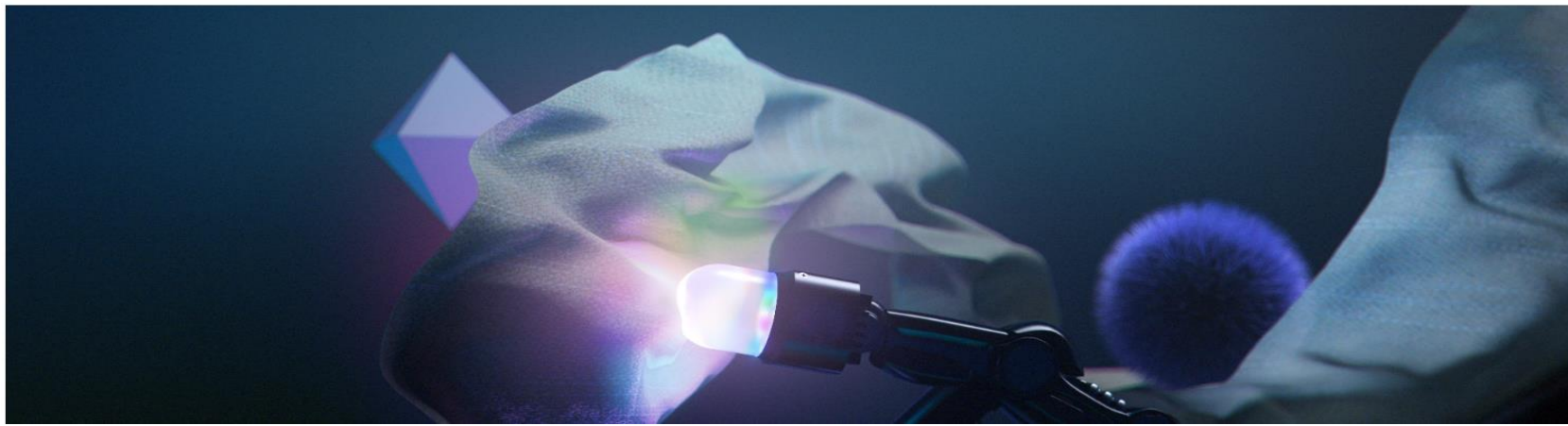
Llama

Blog

Try Meta AI

Advancing embodied AI through progress in touch perception, dexterity, and human-robot interaction

October 31, 2024 • ⌚ 11 minute read



Generative AI Tools

Finetuned Text to Image Model

Don't trust anything you read, hear, or see.
Welcome to the future!

