

AI Innovation Program

for Home Improvement Industry



Google
AdWords

VS.

facebook
Ads

how can i

how can i buy bitcoin

how can i get a bitcoin

how can i earn bitcoin

how can i help you

how can i

how can i earn money

how can i improve my english

how can i download movies

how can i learn english

how can i become rich



OLA

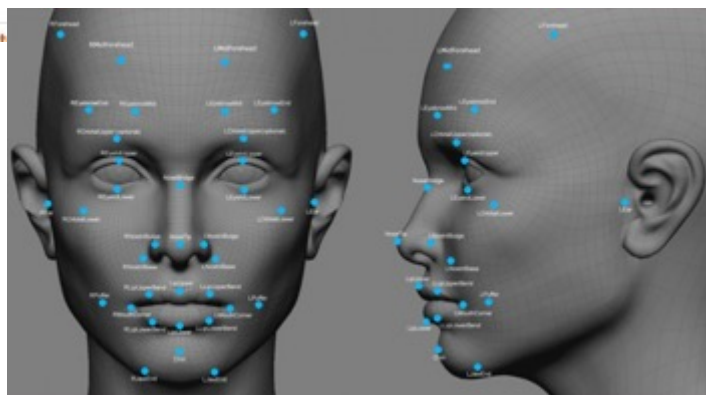
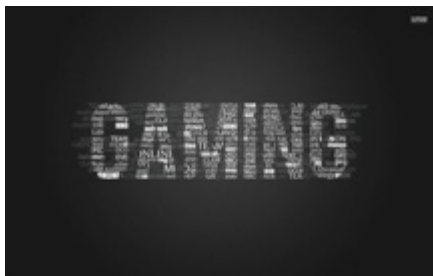
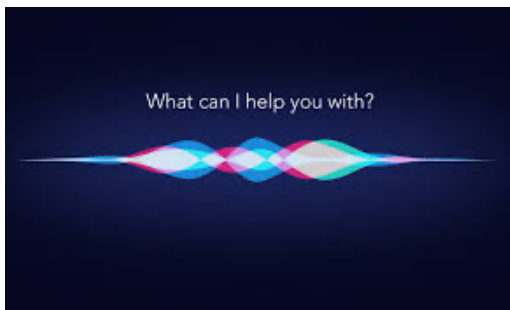
Customers Who Bought This Item Also Bought

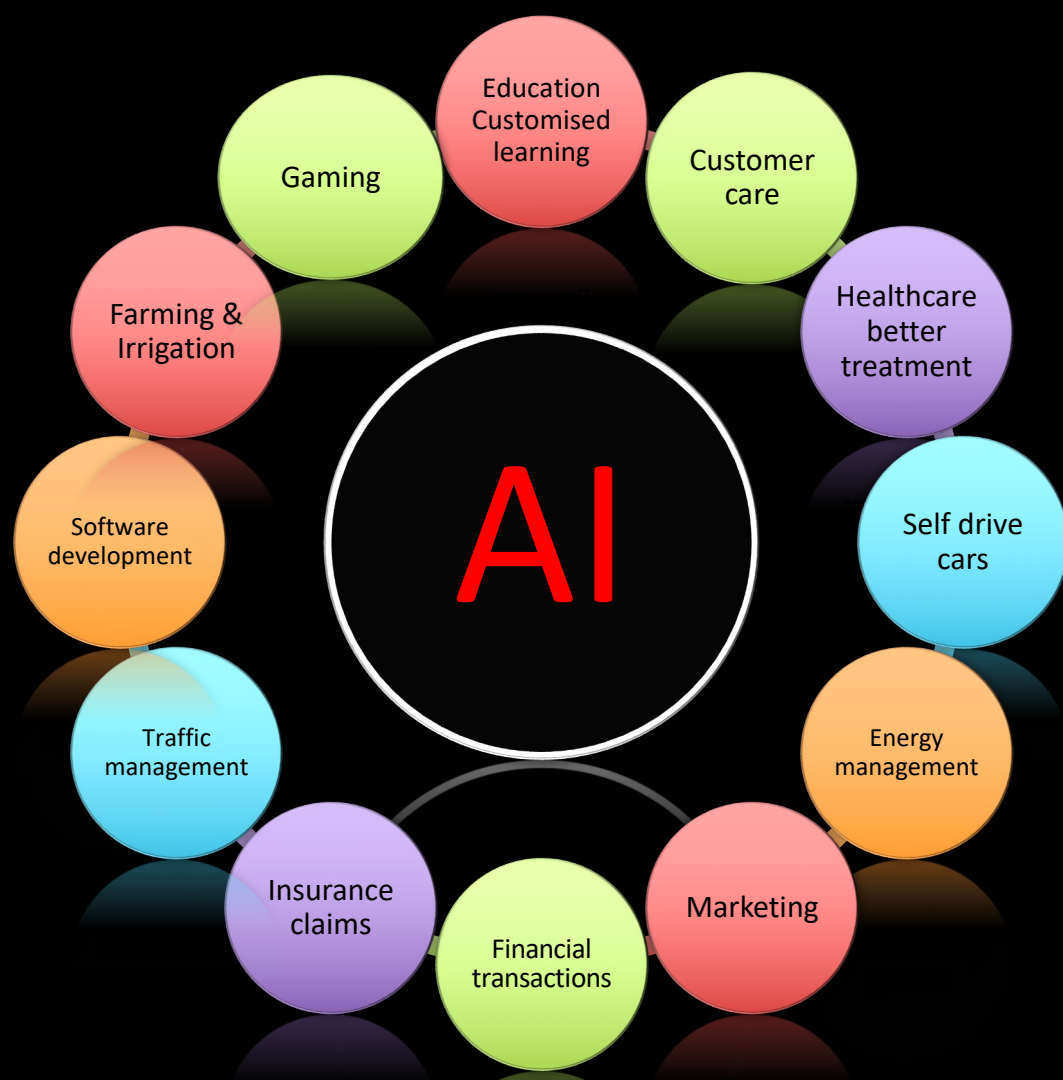
				
AmazonBasics Holster Camera Case for DSLR Cameras ★★★★☆ 407 \$15.99 Prime	SanDisk Ultra 16GB Class 10 SDHC Memory Card Up To 40MB/s SDBDUN-0016G-G46... ★★★★★ 102 \$11.99 Prime	Canon EF 75-300mm f/4-5.6 III Telephoto Zoom Lens for Canon SLR Cameras ★★★★★ 918 \$199.00 Prime	4-Year Camera/Camcorder Accident Protection Plan (\$600-700) ★★★★★ 33 \$64.99	Amazon BackUp Camera ★★★ \$24.99

View all Lenses, Camera Bags, Memory Cards, and Warranties

What Other Items Do Customers Buy After Viewing This Item

make my trip





AI is the ability of machines (computers) to start thinking like intelligent humans.

Comprehend Data

Numeric

Text

Images

Audio

Video

Code

Generate Output

Numbers

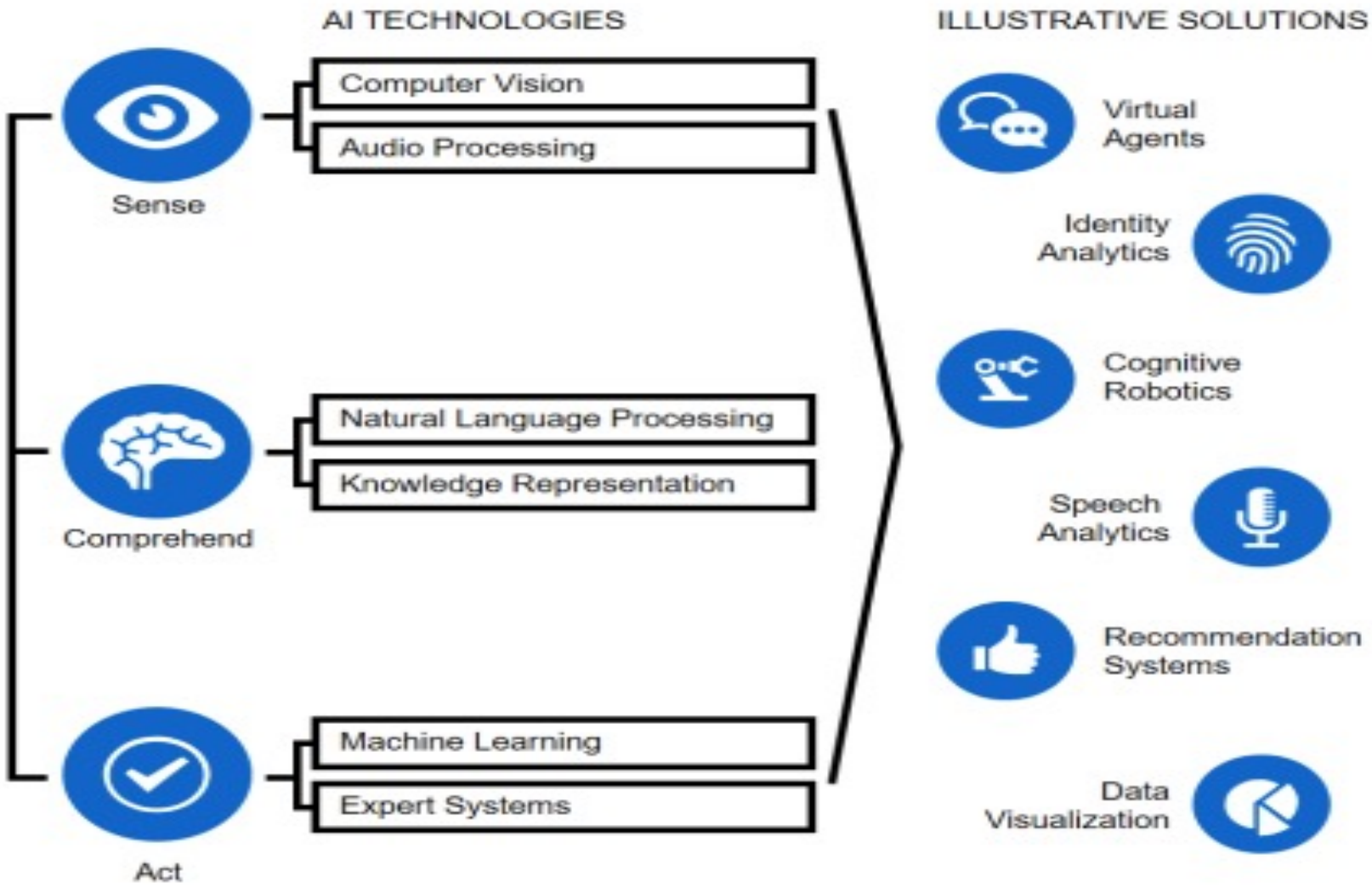
Formatted Text

Images

Audio

Video

Code



GENERATIVE AI

Prompt Engineering Auto Pilot Co Pilot

Analyse Predict Create Generate Automate Brainstorm
Amplify Unblank



ChatGPT

Examples

"Explain quantum computing in simple terms"

"Got any creative ideas for a 10 year old's birthday?"

"How do I make an HTTP request in Javascript?"

Capabilities

Remembers what user said earlier in the conversation

Allows user to provide follow-up corrections

Trained to decline inappropriate requests

Limitations

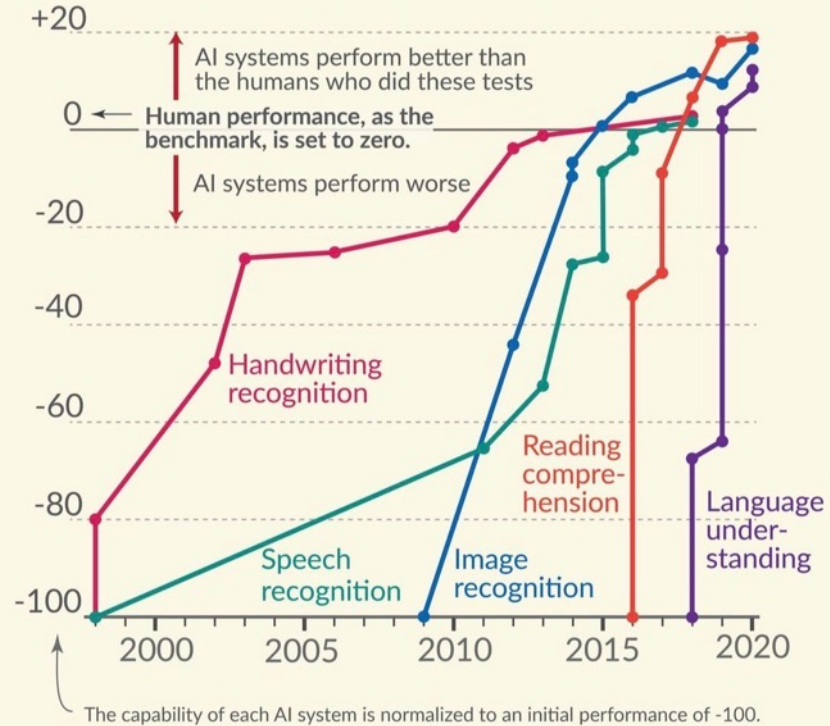
May occasional incorrect info

May occasional harmful instructional content

Limited knowledge events after

Language and image recognition capabilities of AI systems have improved rapidly

Test scores of the AI relative to human performance



Source: Kiela et al. (2021) Dynabench: Rethinking Benchmarking in NLP

OurWorldInData.org/artificial-intelligence • CC BY





Explain the concept of Generative AI in simple terms in not more than 100 words.



Generative AI refers to a type of artificial intelligence that can create new content or data rather than just analyzing existing information. It uses complex algorithms to learn patterns and structures from a given dataset, enabling it to generate original and realistic outputs



Present it as a poem



In realms of AI, a wonder unfolds,
Generative power, a tale to be told.
With algorithms intricate, it learns to perceive,
Creating anew, what none could conceive.



No mere analysis of data it claims,
But forging creations, like artful flames.
From images to music, text to explore,
Generative AI births wonders galore.

Patterns and structures it deftly decodes,
Unveiling the secrets, as inspiration explodes.
In art, design, and games, its magic takes flight,
Breathing life into pixels, with creative might.

With each passing day, it grows ever keen,
To craft and compose, a visionary machine.
In scientific quests, it lends a helping hand,
Generating insights, expanding our land.

Generative AI, a muse so grand,
Stretching the bounds, with a skillful hand.
Unleashing innovation, where imagination thrives,
A testament to the dreams that technology drives.

Was this response better or worse?



Better



Worse



Same



🔄 Regenerate response



Explain the concept of Generative AI in simple Hindi in not more than 100 words



< 2 / 2 >



जेनेरेटिव एआई की बात करें तो यह एक ऐसा कंप्यूटरीकृत है जो नए सामग्री या डेटा बना सकता है इसे केवल मौजूदा जानकारी का विश्लेषण नहीं करना समझा जाता है। यह संगठित एल्गोरिदम का उपयोग करके दिए गए डेटासेट से पैटर्न और संरचनाएं सीखता है, जिससे यह मूल और वास्तविक आउटपुट जैसे चित्र, पाठ, या संगीत का निर्माण कर सकता है। मूल्यांकन करने के बजाय इसे अंतर्भूत पैटर्न को समझने के द्वारा, जेनेरेटिव एआई नवीनता और रचनात्मकता से युक्त सामग्री पैदा कर सकता है। इसका उपयोग कला, डिजाइन, गेमिंग और वैज्ञानिक शोध में होता है।



Present the advantages and disadvantages of Generative AI on 5 key parameters in a tabular format

< 2 / 2 >



Certainly! Here's a tabular format presenting the advantages and disadvantages of Generative AI across five key parameters:



Parameters	Advantages	Disadvantages
Creativity	Generates unique and original content	May produce inconsistent or nonsensical outputs
Efficiency	Can automate content generation tasks	Training and inference processes can be time-consuming
Diversity	Produces a wide range of diverse outputs	May exhibit biases present in training data
Exploration	Explores uncharted territories of creativity	May generate inappropriate or offensive content
Productivity	Augments human creativity and productivity	May lack human-level judgment and context

Please note that this table provides a general overview, and the advantages and disadvantages can vary depending on the specific implementation and use case of Generative AI.



You are a documentary script writer. Write a script for a short 4 minute documentary on Generative AI. Break it up as Audio and Video by frame.



Frame	Audio	Video
1	Narrator: In the vast world of artificial intelligence...	Aerial shot of a bustling city, showcasing technology in daily lives
2	Narrator: Generative AI allows machines...	Animated graphics showing data processing and algorithms at work
3	Narrator: It can work with various types...	Examples of different datasets: images, text, and music
4	Narrator: Neural networks within Generative AI model...	Visualization of neural network connections and computations
5	Narrator: By understanding these patterns...	Transition from neural network visualization to artists creating art
6	Narrator: Just like a painter or a composer...	Examples of generative AI outputs: paintings, music compositions
7	Narrator: Beyond art and creativity...	Researchers using Generative AI for scientific simulations
8	Narrator: The gaming industry harnesses...	Generative AI used in gaming industry for character and world generation
9	Narrator: Even in the fashion industry...	Generative AI used in fashion industry for design and customization
10	Narrator: However, with great power comes responsibility...	Ethical considerations text displayed on the screen
11	Narrator: Research labs worldwide strive...	Research lab footage showing scientists working on Generative AI advancements
12	Narrator: As Generative AI continues to evolve...	Visualization of a futuristic cityscape, showcasing the potential impact of Generative AI
	Narrator: Join us as we witness...	Final frame fades to black
	Narrator: This has been "Generative AI: Unleashing Creativity"...	
		Documentary ends with a gentle fade-out

Regenerate response



Write code for a chatbot that can explain the concept of generative AI to all users

< 2 / 2 >



Certainly! Here's an example of a simple chatbot code written in Python that can explain the concept of generative AI to users:

```
python Copy code

# Importing required libraries
from nltk.chat.util import Chat, reflections

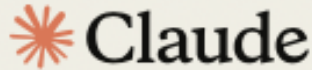
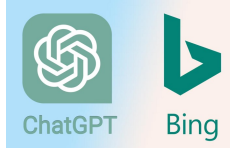
pairs = [
    [
        r"limitations of generative ai(?:\.)?",
        ["While generative AI is impressive, it does have some limitations"],
    ],
    [
        r"thank you|thanks",
        ["You're welcome! If you have any more questions, feel free to ask"],
    ],
    [
        r"quit",
        ["Thank you for using the chatbot. Have a great day!"]
    ]
]

# Create and start the chatbot
def generative_ai_chatbot():
    print("Chatbot: Hi! I'm a chatbot here to help you understand generative AI")
    chat = Chat(pairs, reflections)
    chat.converse()

# Run the chatbot
generative_ai_chatbot()
```

To run the code, you will need to have the 'nltk' library installed. You can install it by running 'pip install nltk'. After running the code, the chatbot will greet the user and respond to their queries regarding generative AI. The chatbot will continue the conversation until the user types "quit".

Closed Systems



Open Source*



Mixtral of experts

DALL·E 2



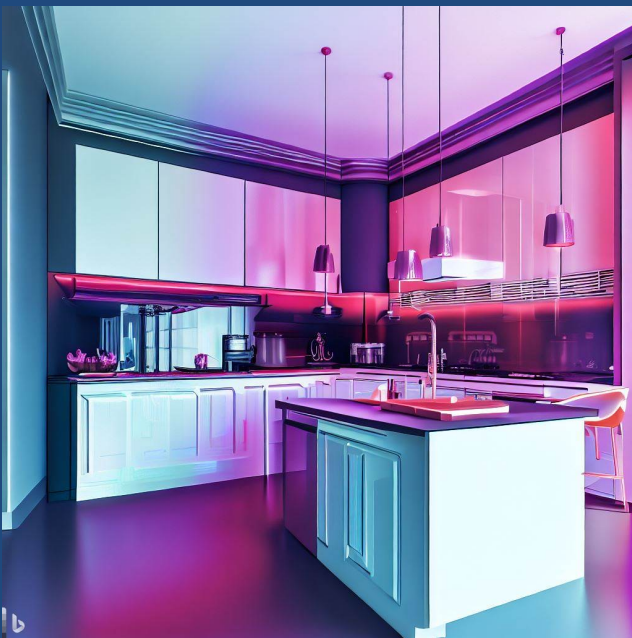
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c r ie sneot emy lob.b rc l ilhr eobr oon aep t a aet e dgowhJ irccn

stability.ai





AI Generated Images



AI for Interior Design

Re

Spacely AI is a quick

INTERIOR AI™

Billing

Upgrade to Pro

Check out my new project **Photo AI** which lets you train yourself as an AI model and do photo shoots anywhere!

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Your real email

Confirm your email to use Interior AI

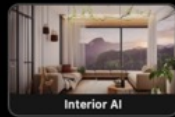
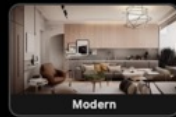
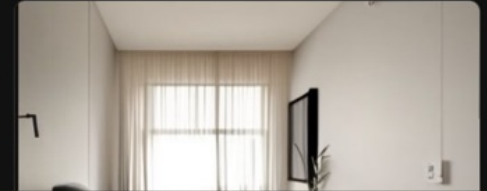
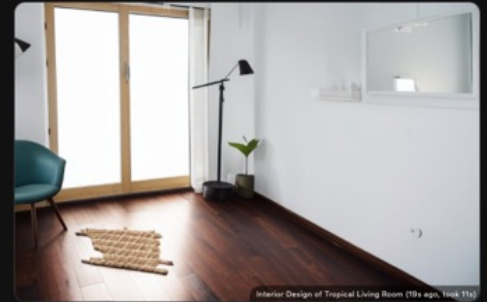
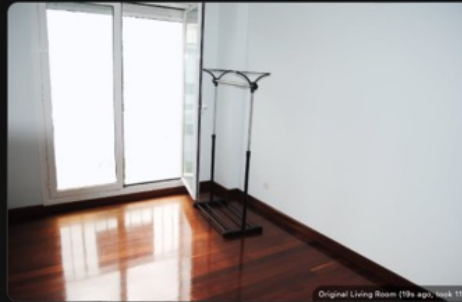
Affiliate program

Join Interior AI's Affiliate Program and receive a 20% commission on payments for all customers you refer!

Your current interior

Render new idea

Latest renders



Upload

AI-powered visualization starts with your image. Upload a photo of your current interior, a drawing sketch, or your own images.

AI can read images



Describe the image in detail



Show drafts ▼ 🔊

The image you sent me shows a laptop computer sitting on a cluttered desk. The desk is covered in a variety of items, including papers, sticky notes, pens, and a coffee cup. There is also a lamp on the desk, and a window with blinds in the background.

Here's a more detailed description of the image:

- **Laptop computer:** The laptop computer is in the center of the desk. It is open, and the screen is lit up. There are a few wires plugged into the laptop, but it is not clear what they are connected to.
- **Papers:** There are several papers scattered across the desk. Some of the papers are crumpled, and others are neatly stacked. It is difficult to tell what is written on the papers.
- **Sticky notes:** There are also a number of sticky notes on the desk. The sticky notes are different colors, and some of them have writing on them. Again, it is difficult to tell what is written on the sticky notes.
- **Pens:** There are a few pens on the desk. The pens are different colors, and they are scattered around the desk.
- **Coffee cup:** There is a coffee cup on the desk. The coffee cup is white, and it has a black handle. The coffee cup is sitting on a coaster.
- **Lamp:** There is a lamp on the desk. The lamp is silver, and it has a white shade. The lamp is plugged into an outlet on the wall.
- **Window:** There is a window in the background of the image. The window has blinds, and the blinds are partially closed. It is not possible to see what is outside the window.

Overall, the image shows a messy desk that is cluttered with a variety of items. It is difficult to say what the person who uses this desk is working on, but it appears that they are busy.

Is there anything else you would like to know about the image?

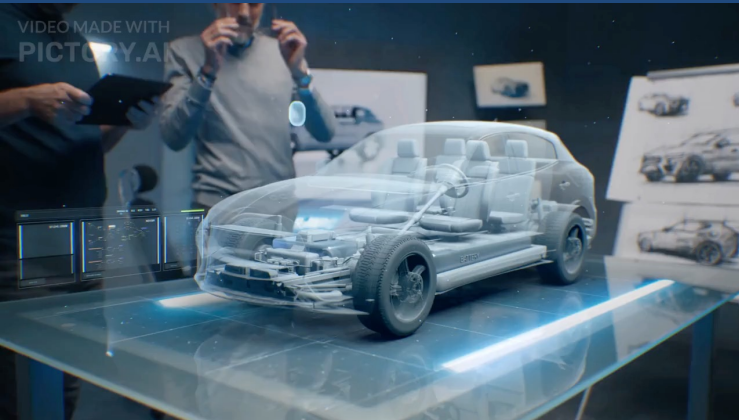
AI generated audio applications

Darth Vader's Voice Emanated From War-Torn Ukraine

As the conflict raged, Ukrainian tech workers at Respeecher hurried to bring back James Earl Jones's legendary voice for *Obi-Wan Kenobi*.

Air

AI generated video



AI Video From

Create profes
an AI video ge
actors.

- ✓ 150+ AI av
- ✓ 130+ langu
- ✓ No video e

Create a



Create Engaging Videos 10X Faster with AI

0 Credits

Import PPT/PDF

Create Video



Default Space
1 Free

Home

Template

Avatar

Video

Asset

Webinar Live Soon

Pricing

Labs

News

Trash

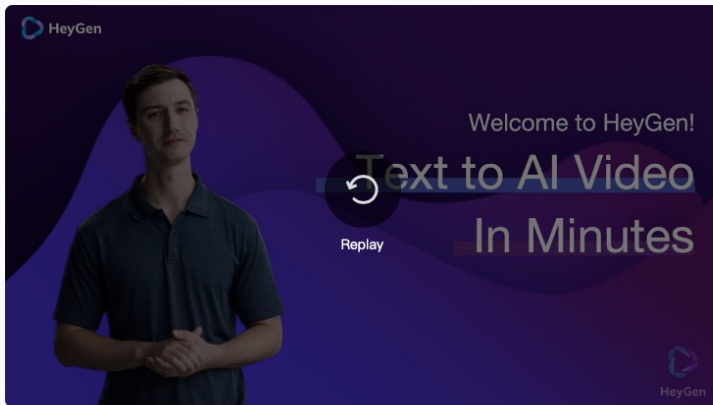
The go-t video m platform

Get Covieo Free

Add p

Nowadays, consumer

Video > My First Video



Replay

Captions On



Script Preview (2/2)

2023/07/24 13:13:58 52s

Alok Agrawal is a Member of Prasar Bharati Board, Managing Partner at The Growth Labs and Founding Volunteer at AI4India.org



Landscape



Portrait

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Download

720P

1080P

4K

Download Original Video

Export Captions (.srt)

Prepare Captioned Video

Edit as New

Get Video ID

Trash



plastic_black



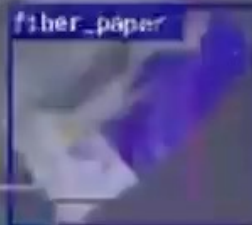
miscellaneous



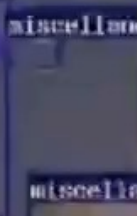
plastic_juice



fiber_paper



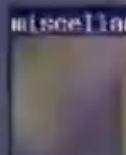
miscellaneous



plastic_lid



miscellaneous



miscellaneous



Generative AI

Open sourcing AudioCraft: Generative AI for audio

Spaces [facebook/MusicGen](#) like 2.26k Running on A10G

App Files Community 45

August 2, 2023

MusicGen

This is the demo for [MusicGen](#), a simple and controllable model for music generation presented at: "[Simple and Controllable Music Generation](#)".

[Duplicate Space](#) for longer sequences, more control and no queue.

Describe your music

Upbeat modern jazz music

Condition on a melody (optional) File or Mic

file mic

File

Drop Audio Here

- OR -

Click to Upload

Generated Music

Generate

Examples

Describe your music	File
An 80s driving pop song with heavy drums and synth pads in the background	bach.mp3
A cheerful country song with acoustic guitars	bolero_ravel.mp3
90s rock song with electric guitar and heavy drums	
a light and cheerful EDM track, with syncopated drums, aery pads, and strong emotions bpm: 130	bach.mp3



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New

Bhashini is inviting application for the various positions

Bhashini aims to enable all Indians easy access to the

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Mission Using Jugalbandi Resources Applications Ecosystem

Powering
breakthrough
conversational AI
solutions for every
Indian

Jugalbandi is a free and open platform that combines the power of ChatGPT and Indian language translation models under the Bhashini mission to power conversational AI solutions in any domain.

[Learn More](#)

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Coverage

Chats

Search by name or ticker

This list shows the 750+ companies you can currently ask FinChat about.



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- Microsoft Corporation
- Alphabet Inc.
- Amazon.com, Inc.
- Berkshire Hathaway Inc.
- NVIDIA Corporation

Sign Up



Welcome

FinChat.io is the ChatGPT for Finance. Using AI, FinChat helps investors. To generate accurate answers...

Summarize Microsoft's Q2 2023 quarterly report with data from CEO Satya Nadella.

According to Microsoft's Q2 2023 quarterly report, Microsoft Cloud revenue grew rapidly. The report shows that Microsoft Cloud revenue reached 28.21% of total revenue, with a growth rate of 20.34% year-over-year. The Intelligent Cloud Revenue, which is the most profitable part of Microsoft's cloud computing business, reached 9.95% of total revenue. In a transcript from CEO Satya Nadella, he mentioned that Microsoft Cloud revenue reached 101,200 billion in revenue, up 32% year-over-year. Nadella also mentioned that Microsoft Cloud revenue is a key driver of Microsoft's growth.

MSFT Microsoft Cloud Revenue

Metric	TTM	Jun '23
Microsoft Cloud Revenue	101,200	91,200
% Chg. (YoY)	10.96%	31.98%

Ask a question...

Rows

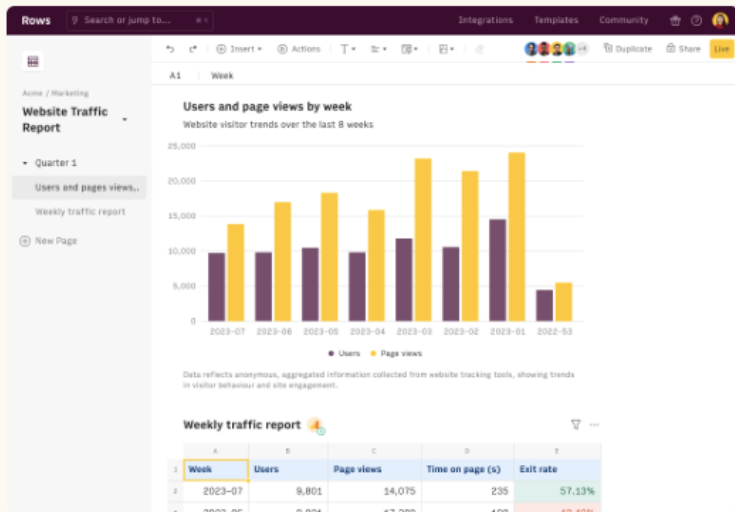


The spreadsheet where data comes to life

Connected to your business data. Delightful to share. Rows is how teams work with numbers and share their results.

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Product Video

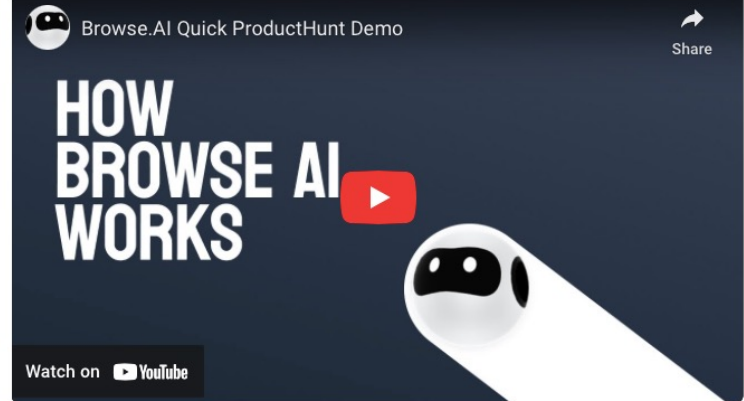


A p

The **easiest way** to extract and monitor data from any website.

→ Train a robot in 2 minutes.


→ No coding required.

[Get Started](#)[What can it do?](#)

Browse.AI Quick ProductHunt Demo

Share

HOW BROWSE AI WORKS

Watch on  YouTube

The video thumbnail features a dark blue background with the text 'HOW BROWSE AI WORKS' in large white letters. A red YouTube play button icon is positioned to the right of the text. In the bottom right corner, there is a white robot head icon with a black visor. The top left corner of the thumbnail has the Browse.AI logo and the text 'Browse.AI Quick ProductHunt Demo'. The top right corner has a 'Share' icon. The bottom left corner has the text 'Watch on YouTube' with a YouTube icon.

Write high quality, compelling draft bids, proposals and tenders in minutes, not days.

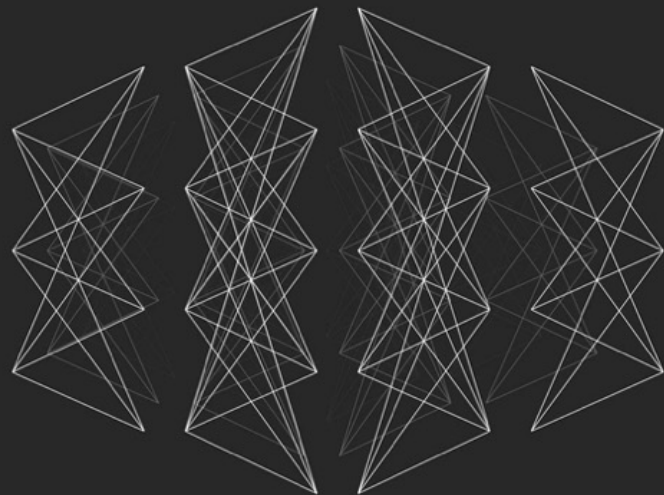
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ChatDOC

Join API waitlist

Pricing

Wiki

Changelog

Product Hunt

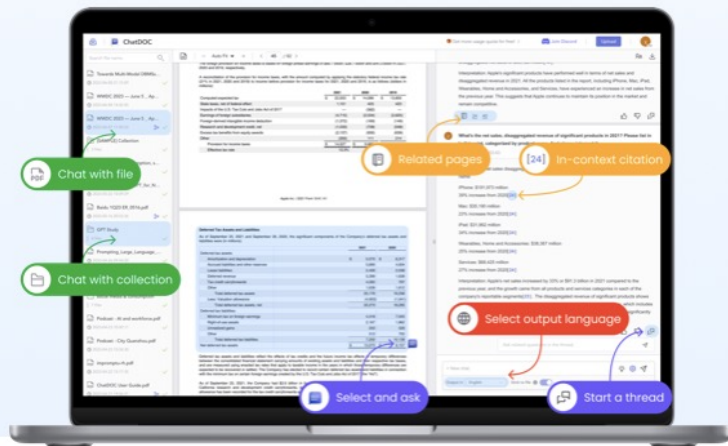
119

Get Started

Chat with documents. Get instant answers with cited sources.

ChatDOC is a ChatGPT-based file-reading assistant that can quickly extract, locate, and summarize information from documents.

Get Started



15 creative ways marketers can use AI to build connections with consumers

- Finding niche audiences to survey
- Engaging with consumers in real time
- Analysing prospects' social behavior
- Matching brand visions with social creators
- Answering complicated questions
- Finding and filling content gaps in information
- Virtually producing videos
- Personalising emails
- Delivering seamless service
- Creating full stories and numerous storylines
- Monitoring online conversations
- Creating unique images with Generative AI
- Generating headlines for ads and copy
- Letting AI truly interact with consumers
- Targeting audiences with trending topics

AI IS EXPONENTIALIZING POSSIBILITY

Amid an explosion of AI-based tools, creators are adapting technologies to extend their individual creative capabilities. Ambitious and complex ideas can be executed with greater speed and higher production value than would have been possible previously.

Generative AI is democratizing complicated forms of self-expression, introducing us to a world where unique ideas are the foundation of what breaks through online.

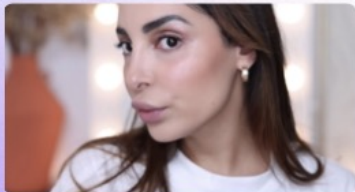
Production studio **Corridor Crew** is creating anime-style Shorts using the power of AI – no animators required. Meanwhile, AI is giving creators advice on everything from workouts to makeup (as with French creator **Sananas**).



@Corridor
9.8M SUBSCRIBERS

This has already begun reshaping the intersection of self-expression and fandom, allowing viewers to expand the meaning of cultural entities that they find resonant.

The speed and quality of AI-supported creativity can result in a diversity of executions that can be consumed alone, but really exist in dialogue with one another.



@Sananas
3M SUBSCRIBERS



@curiousrefuge
77.4K SUBSCRIBERS

AI is expanding creativity – for instance, allowing fans to imagine popular films made by iconic directors. The way creators use it now is a window into how we might all be using it soon – and viewers are not only open to this innovation, they're already watching a lot of videos about or made with AI.

60%

of people surveyed agree they're open to watching content from creators who use AI to generate their content.

Google/Ipsos, Global (U.S., U.K., AU, FR, DE, MX, IN, ID, KOR, CAN, JP, BR, KSA, EGY), YouTube Trends Survey, n=25,892, online adults, age 18-44, May 2023.

Virtual creators and K-pop bands being debuted by Korean companies are a build on **VTubers** and hint about the places that AI-driven creations may go in the future, providing an early look at viewer interests in creativity that challenges norms of authenticity.

RuiCovery, a real person with an AI-generated face, was made by Seoul-based IT start-up Dob Studio. The studio produces song and dance covers in both long-form videos and Shorts.



@RuiCovery
120K SUBSCRIBERS

52%

of people surveyed say they watched a VTuber (virtual YouTuber or influencer) over the past 12 months.

Google/Ipsos, Global (U.S., U.K., AU, FR, DE, MX, IN, ID, KOR, CAN, JP, BR, KSA, EGY), YouTube Trends Survey, n=25,892, online adults, age 18-44, May 2023.

How AI Writing Tools Like ChatGPT Can Make Marketing Easier

With the explosion in popularity of Open AI's ChatGPT tool, it's not a shock that artificial intelligence is the talk of the business world. Here's how you can use it to make marketing cheaper and easier this year.



BY [JIM CAMPBELL](#) • FEB 3, 2023

Share



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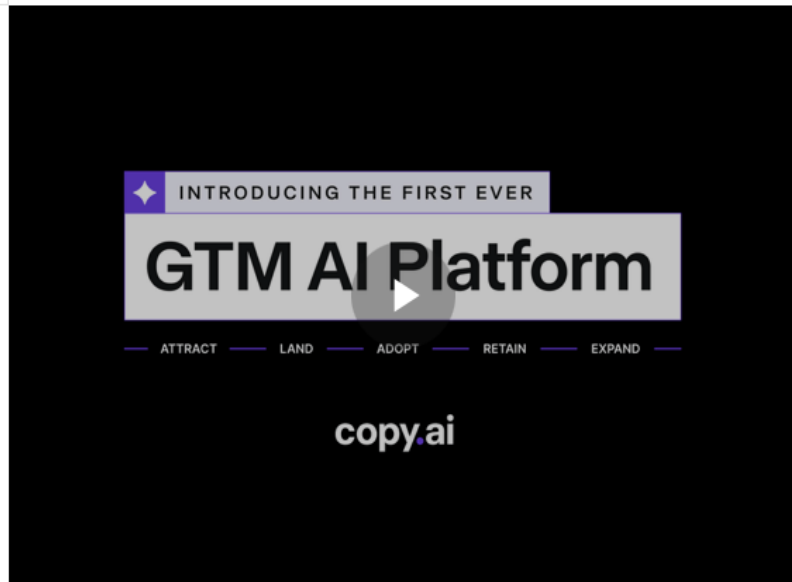
A I writing usage has exploded in the last few months with the launch of [OpenAI's ChatGPT](#). The tool crossed 1 million users in less than a week. For comparison, it took Twitter two years to reach 1 million users.

Automate tasks. Eliminate bloat.

Busywork is killing your go-to-market team... and your bottom line. Our GTM AI Platform powers your sales and marketing processes – creating content, prospecting at scale, enriching CRM, and much more. Get immediate results, and future proof your GTM engine.

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Trusted by 15M+ users at leading organizations

AI in machines









AI will not
replace you. A
person who's
using AI will
replace you.



Generative AI

Curated by @aaronSiim

Text-to-Image (T2I)	DALL·E 2 Stable Diffusion craiyon Lexica MidJourney Imagen WOMB0 NightCafe GauGAN2 DeepAI Jasper artbreeder Wonder pixray-text2image neural love Omneky alpaca mage.space KREA Nyx gallery ROSEBUD.AI PhotoRoom
Text-to-Video (T2V)	runway Fliki synthesia Meta AI Google AI Phenaki CONTENDA
Text-to-Audio (T2A)	Play.ht MURF.AI RESEMBLE.AI WELLSAID descript Alforthmic
Text-to-Text (T2T)	Simplified Jasper frase LeutherAI Requestory letterdrop grammarly copy.ai MarketMuse AI21labs HubSpot NovelAI InferKit GooseAI Research Writesonic co:here CHIBI Ideas AI copysmith Flowrite NICHES\$ sudo write Rytr ideasbyai beta text.cortex OpenAI GPT-3 Blog Idea Generator HyperWrite Subtxt WRITER wordtune LAIKA COMPOSE AI Moonbeam Bertha.ai anyword Hypotenuse AI Peppertype.ai
Text-to-Motion (T2M)	TREE Ind. MDM: Human Motion Diffusion Model
Text-to-Code (T2C)	replit Ghostwriter GitHub Copilot MUTABLE AI tobnine Amazon CodeWhisperer
Text-to-NFT (T2N)	LensAI
Text-to-3D (T2D)	DreamFusion CLIP-Mesh GET3D
Audio-to-Text (A2T)	descript AssemblyAI Whisper
Audio-to-Audio (A2A)	AudioLM VOICEMOD
Brain-to-Text (B2T)	speech from brain non-invasive brain recordings
Image-to-Text (A2I)	neural love GPT-3 x Image Captions

The 3-Person Unicorn Startup

What does The 3-Person Unicorn look like?

AI is facilitating a move from individual and specific expertise, to generalist skills and the ability to product-manage AI tools. All will need to have project management skills, but each might have a talent and personality slant:

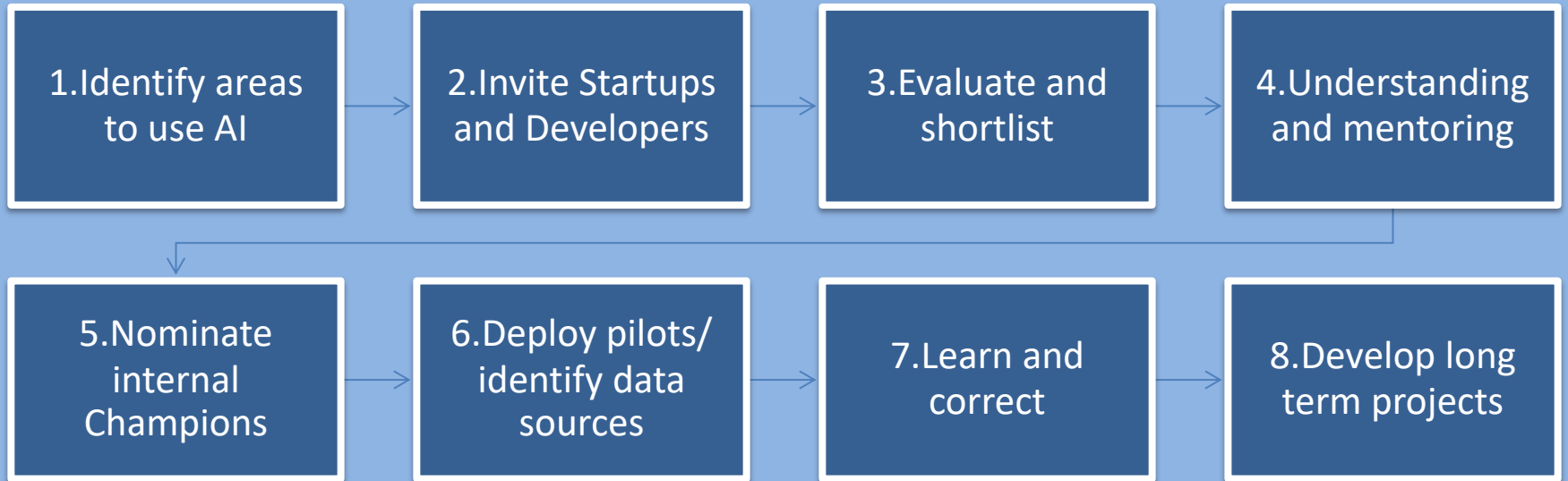
1. The Founder: Aggressive Visionary Archetype
2. The Numbers Person
3. The Words Person

Everyone must be capable of juggling multiple roles. All have to be capable of outlier performances.

AI in Home Improvement – Use Cases

- Design and development
- Predictive analytics in supply chain
- Data analytics for decision making
- Customer interface – automated sales and after sales
- Quality control via computer vision
- Contracts and legal
- Financial analysis
- Project management
- Training and education

Step by step Innovation Program



Issues getting sorted...fast

Issues

- Bias
- Hallucination
- Data Privacy
- IPR
- Fake news/ information
- Cyber crime

Solutions

- Guardrails
- Govt policy and oversight
- Open source models
- Digital watermarking
- Fine tuning while training
- RAG –Retrieval Augmented Generation – Accurate and real time data

The background is a dense, multi-layered digital environment. It features a variety of glowing elements: blue and cyan light trails, orange and yellow energy pulses, and abstract geometric shapes. There are also some recognizable icons like a magnifying glass and a gear, suggesting search and processing. The overall aesthetic is high-tech and futuristic.

AI is all you need

the growth labs
make business great

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×

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