



HOW TO USE CHAT GPT & AI TOOLS

Osanda Lelum

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What is the Artificial Intelligence?





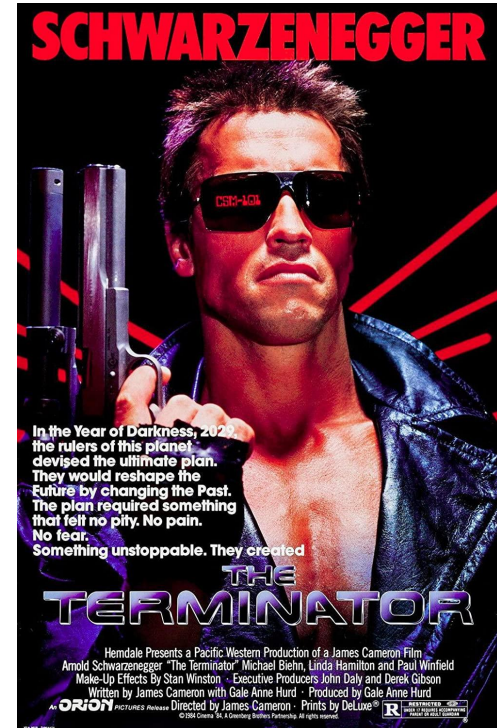
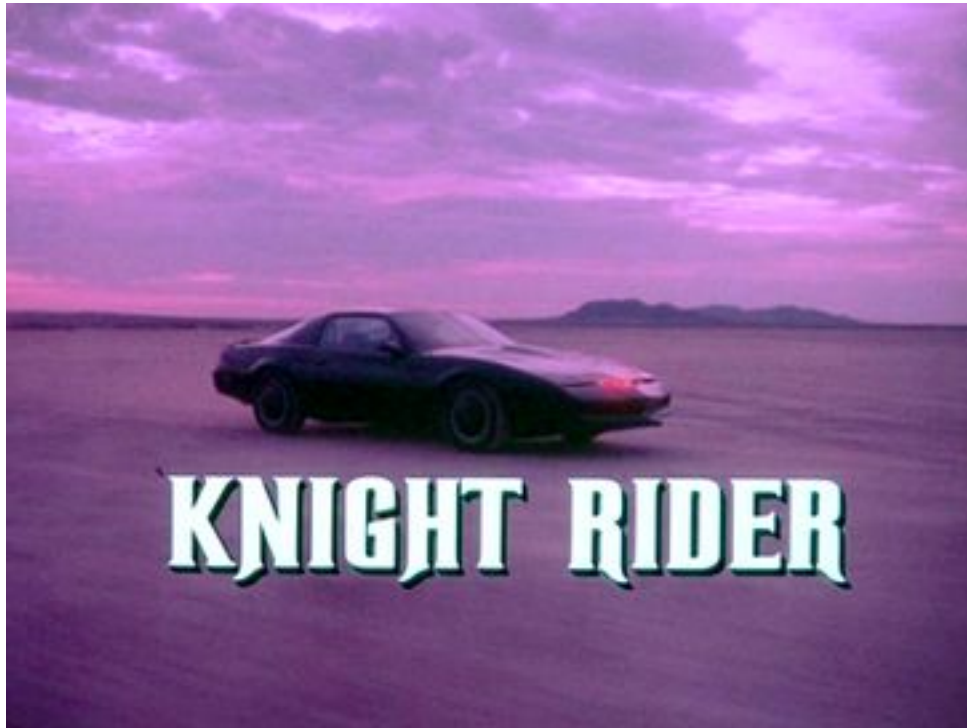
Artificial intelligence is the simulation of human intelligence processes by machines, especially computer systems. Specific applications of AI include expert systems, natural language processing(NLP), speech recognition and machine vision

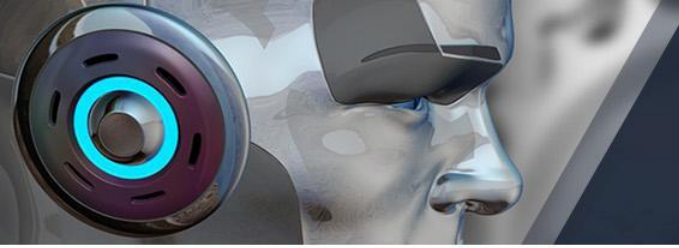


Man made intelligence in machines, and it could be used to automate and provide intelligent interaction with humans or machines



AI in the Movies





Intelligence made the difference human being from
other animals
AI – Challenge the human



Identifying AI real or artificial ?



How do we identify the intelligence

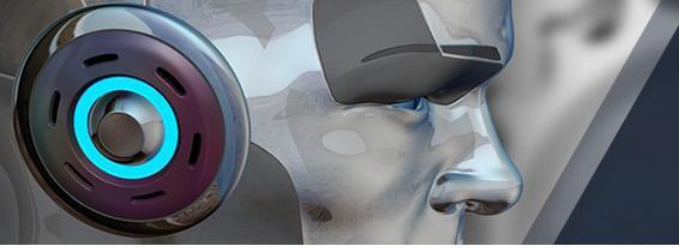
- Behavior and interaction
- A fool could become a wise man until he is silent
- Chinese Room

Lot of things are done without intelligence

- Routine works
- Train animal/machine to do “Intelligent Things”
- Gypsy - “Dancing Monkey who plays the Gammaral’s Role”



Ultimately, The impact of artificial things on life depends on how they are utilized, managed, and governed. It is important for society to have ongoing discussions, ethical frameworks, and regulations in place to guide the responsible development and deployment of artificial technologies for the betterment of humanity.



Are artificial things bad for life?

- Artificial Drink of Mango/Apple Juice
- Can you identify them by checking the taste ?
- Artificial things could be made to minimize the side effects

Everyone has the right to know whether it is real or artificial

- Are you talking to a real person or bot?



What is [ChatGPT](#)





Chat GPT is a language model developed by





Used GPT(Generative Pre-trained Transformer) architecture and trained using large amounts of text data from the internet. GPT models are designed to generate human like text based on given prompts or questions.

Chat GPT Has become a popular chat BOT to discuss anything



GPT Built using a Large Language Model (LLM)
to generate expressions like humans & Human
Feedback to improve the mode



GPT Versions – Massive Data Set

- Several versions – GPT, GPT-2, GPT-3, GPT 3.5, GPT-4
 - (free) chatGPT → GPT 3.5 [30/9/2021] (Text)
 - (paid) chatGPT → GPT 4 [12/2022] (Multimedia)



How ChaptGPT developed?

Three Stages of development

1. Generative pretraining Baby learns from parents(Unsupervised learning)

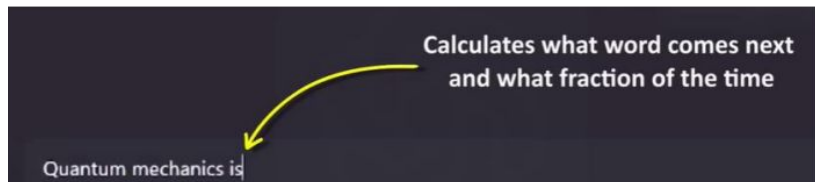




How ChaptGPT developed?

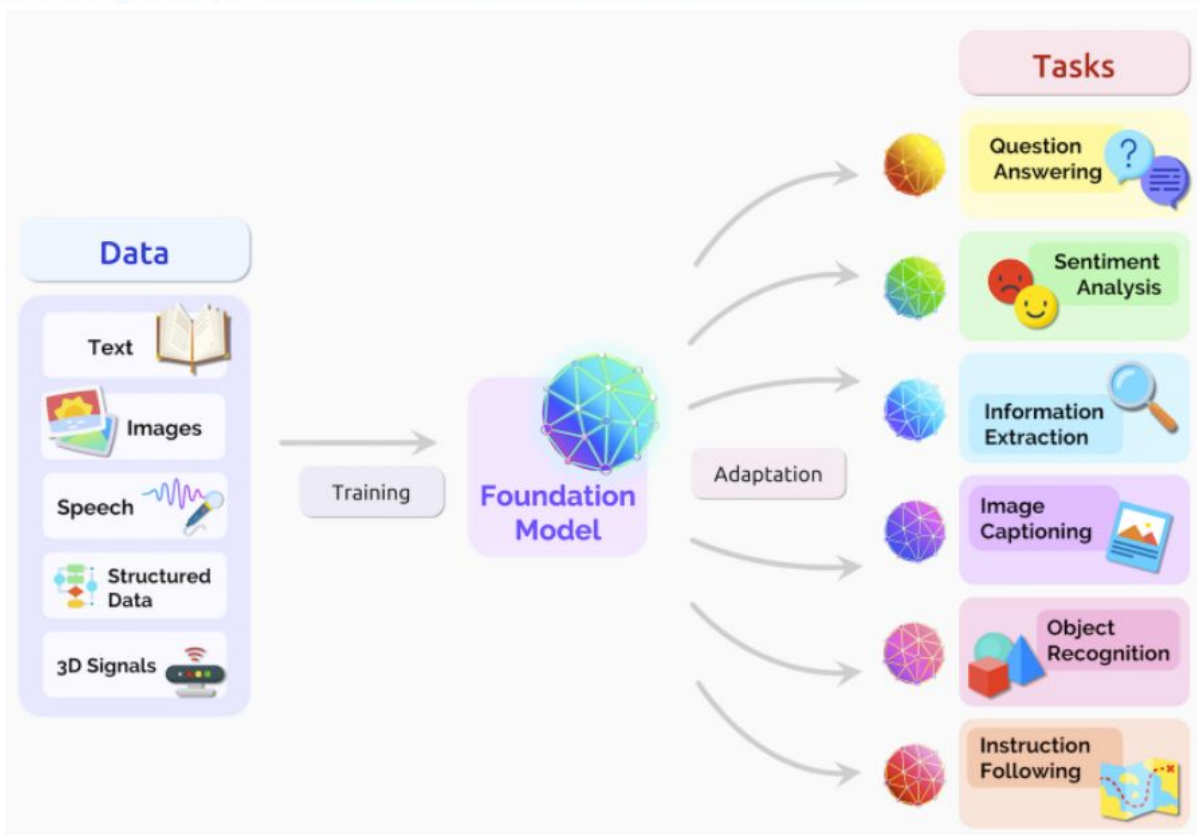
Predictive Text

- Statistical based approach to predict the next word in a sentence
- Neural networks are used to predict the sequence of words in a sentence



Quantum mechanics is...	a	4.5%
Quantum mechanics is...	based	3.8%
Quantum mechanics is...	fundamentally	3.5%
Quantum mechanics is...	described	3.2%
Quantum mechanics is...	many	0.7%

Large Language Model





Large Language Model

- GPT is based LLM (Large Language Model) which a neural network based on the several layers

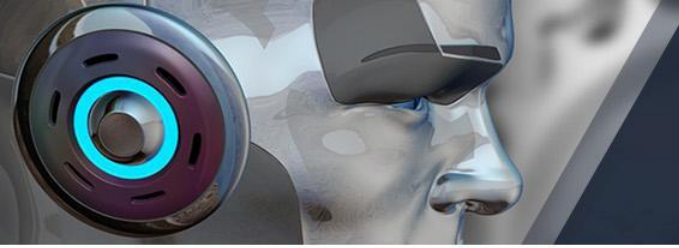
GPT-3.5 – 175 billion parameters and 96 layers in its neural network

- Model is trained using 500 billions of tokens (words) with their sequence using Internet data
- Unsupervised learning from content/data to identify patterns
- Model can predict grammatically and semantically correct next word in a sentence (Transforms an input into a meaningful output)

How ChaptGPT developed?

2. Supervised find-tuning School Education : Primary and Secondary





Learning values and rewards

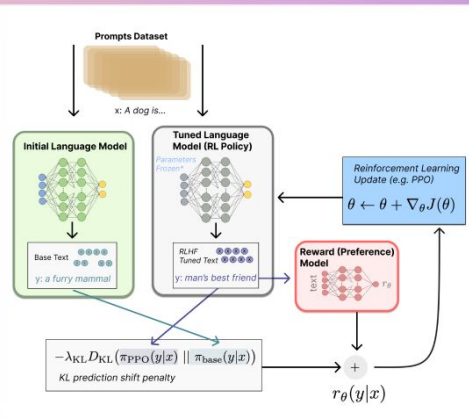
- When a user asks a question, prompt, ChatGPT evaluates whether it is acceptable to answer
- Art of asking questions helps the model to derive the correct answer (prompt engineering)
- This is a kind of training to LLM
→ Fine Tuned Model
- Human Feedback is used to train the LLM to know the correctness and values

How ChaptGPT developed?

3. Reinforcement Learning from human feedback Apply your knowledge to learn or create new things

Reinforcement Learning from Human Feedback

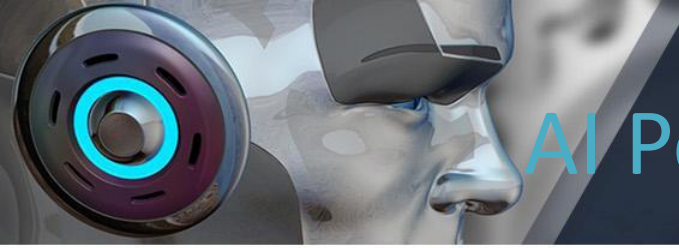
A step by step intro to RLHF





Learning values and rewards

- Reinforcement learning with human feedback (RLHF)
- The model uses human feedback to learn from Internet data to associate input and output using unsupervised learning
- Unsupervised learning allows the model to learn patterns from much more data and many more subjects
- Extended learning based on the human feedback
- Huge data set – 1 Terbyte – 83 Million of pages
- GPT4 – 45 Terbytes
- Relatively meaningful reply for any thing



AI Powered Chatbots : e-Facilitator

AI powered Chatbot can replace Teaching Assistant

- Continuously monitor the student and remind about pending learning activities
- Guide to find literature based on the performance
- Report to teacher if attention is required
- 24/7 Assistance – subject related to Q&A
- Group students to provide special tutorials
- Review the learner considering all courses



AI Powered Chatbots : e-Facilitator

How Chatbot helping the teacher

- Review course content using external sources
- Provide references
- Summarize the student progress
- AI revolutionaries learning – “Personalized Learning’

[Story of Jill Watson](#)



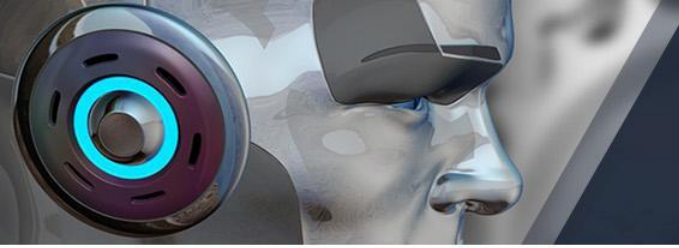
AI Applications in Tire Manufacturing

AI has several applications in tire manufacturing, helping to improve efficiency, quality control, and overall production processes. Here are some common AI applications in the tire manufacturing industry

Quality Control: AI can be used to automate quality inspection processes in tire manufacturing. Computer vision systems equipped with AI algorithms can detect defects, such as sidewall cracks, tread abnormalities, or bead issues, with high accuracy and speed. This helps ensure that only high-quality tires are delivered to customers.

Predictive Maintenance: AI-based predictive maintenance systems can monitor and analyze data from various sensors embedded in manufacturing equipment. By detecting patterns and anomalies, AI algorithms can predict maintenance requirements, helping to prevent unplanned downtime and optimize maintenance schedules.

Process Optimization: AI can analyze large amounts of data collected during the tire manufacturing process to identify patterns, correlations, and opportunities for optimization. This can include optimizing factors like tire compound mixing, curing parameters, or manufacturing parameters to enhance tire performance and reduce waste.



Supply Chain Optimization: AI can optimize inventory management and supply chain processes in tire manufacturing. By analyzing historical data, market trends, and customer demand, AI algorithms can predict demand patterns, optimize inventory levels, and enable efficient logistics planning.

Energy Efficiency: AI can be used to optimize energy consumption in tire manufacturing facilities. By analyzing real-time data from energy meters, weather conditions, and production processes, AI systems can identify opportunities for energy conservation, minimize waste, and optimize energy usage.

Robotic Process Automation: AI-powered robots and robotic arms can automate repetitive and labor-intensive tasks in tire manufacturing, such as handling raw materials, assembling components, or packaging finished tires. This improves efficiency, reduces errors, and enhances worker safety.

FORGET CHATGPT, TRY THESE FREE AI TOOLS

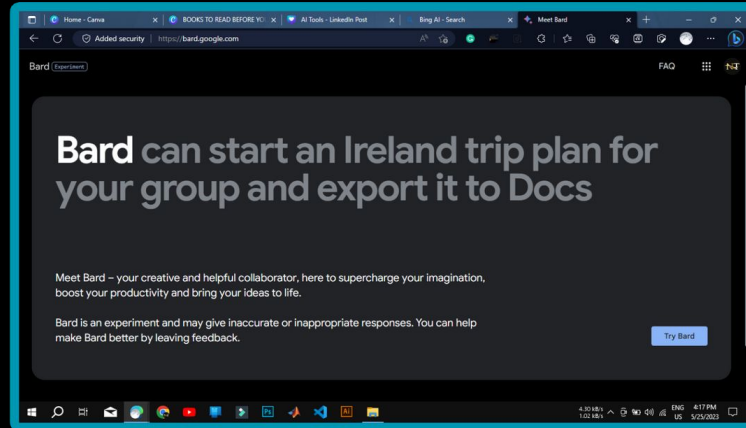


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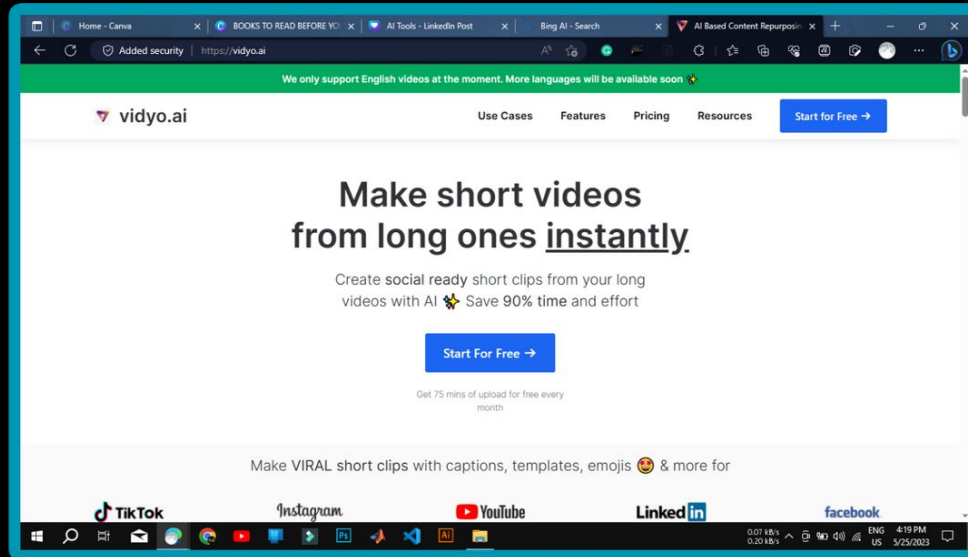
Google Bard

An AI chatbot that can answer questions, summarize articles, and generate images using natural language and internet access.



Vidyo.ai

An AI that can convert YouTube videos into short clips with captions and editing options.





Jeda AI is a visual AI workspace that helps users brainstorm, collaborate, and create with the power of artificial intelligence. It is a sleek, user-friendly platform. that allows users to quickly and easily generate creative, innovative ideas. Jeda AI can be used for a variety of purposes, including:

Brainstorming: Jeda AI can help users generate new ideas by providing them with a variety of tools and resources. For example, users can use Jeda AI to create mind maps, brainstorm lists, and generate diagrams.

Collaboration: Jeda AI can help users collaborate on projects by providing them with a shared workspace. Users can use Jeda AI to share ideas, feedback, and files.

Creation: Jeda AI can help users create high-quality visual content, such as presentations, infographics, and marketing materials. Jeda AI can generate images, videos, and text based on user input.

Jeda AI is a powerful tool that can help users be more productive and creative. It is a valuable tool for individuals and businesses of all sizes.

Here are some of the key features of Jeda AI :

AI-powered brainstorming: Jeda AI can help you generate creative ideas quickly and easily.

Collaborative workspace: Jeda AI allows you to collaborate with others on projects in real time.

High-quality visual content creation: Jeda AI can help you create high-quality visual content, such as presentations, infographics, and marketing materials.

World's first, all-in-one

AI Workspace for Instant Productivity

Unleash the "beast" of productivity with Generative AI Workspace Canvas - Jeda.ai. Collaborate in real-time, create stunning visual content, and boost your business strategy. Say hello to success!

patent pending.



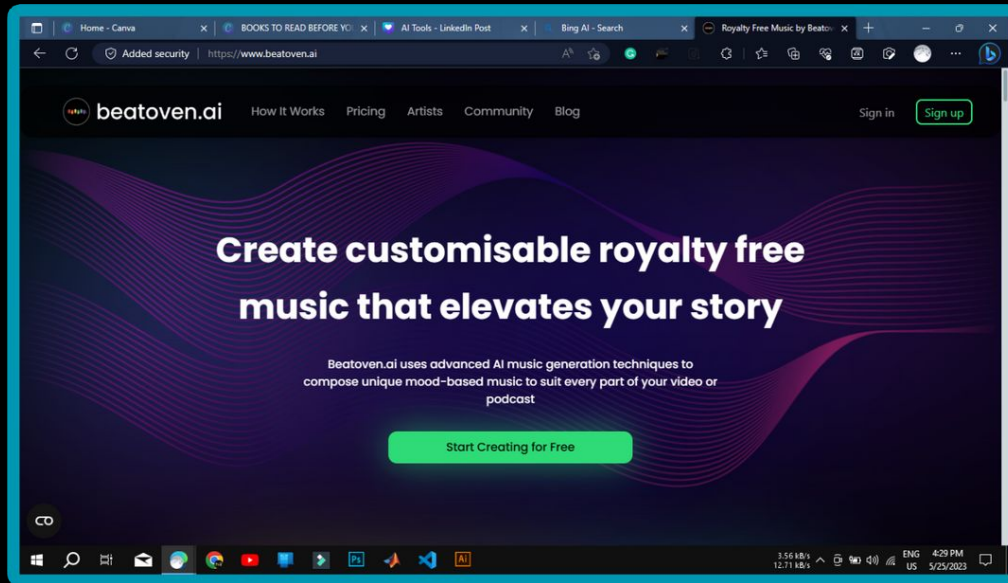
Try Jeda AI Now

Download



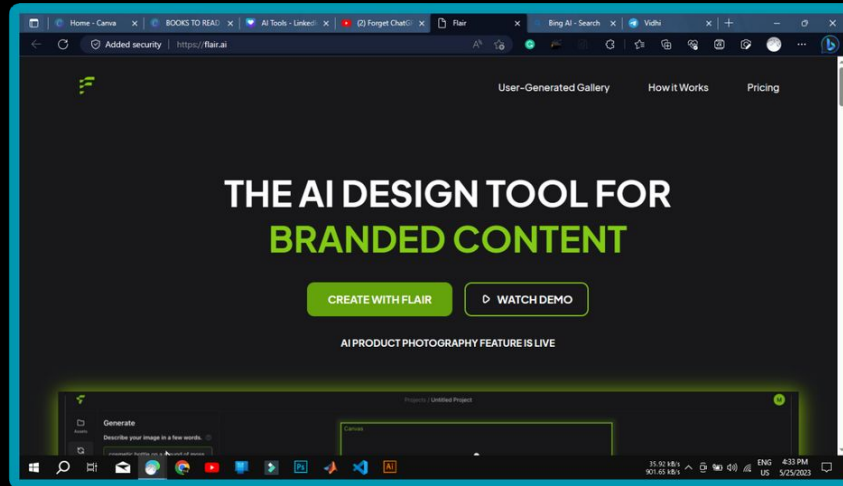
Beat Oven

An AI that can generate royalty-free music based on the user's preferences and edits.



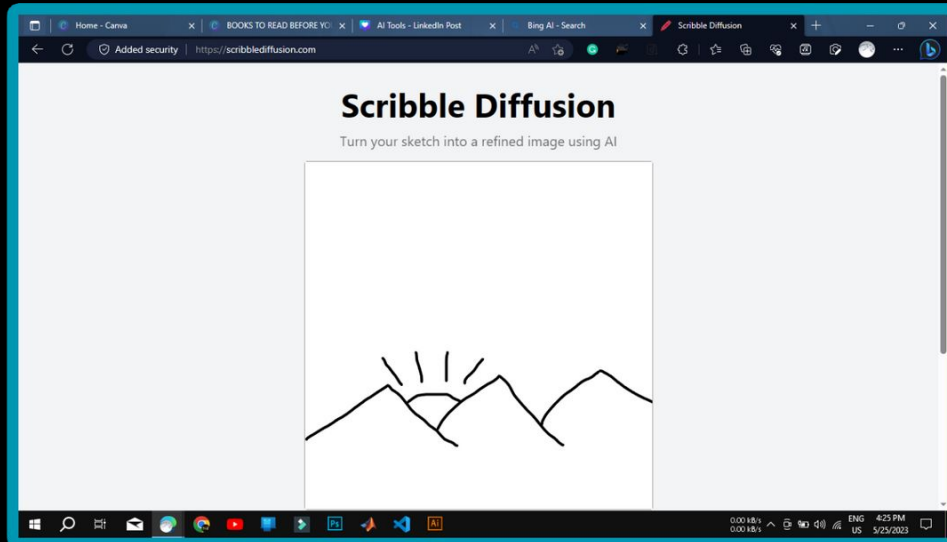
Flair.ai

An AI that can create graphics by removing the background and adding effects to images or generating images from prompts.



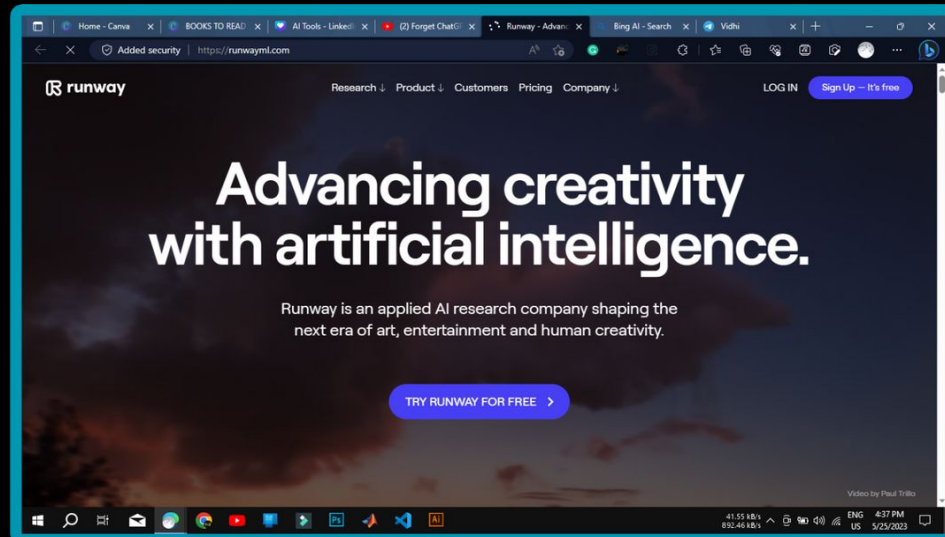
Scribble Diffusion

An AI that can turn scribbles into realistic drawings and generate captions for them.



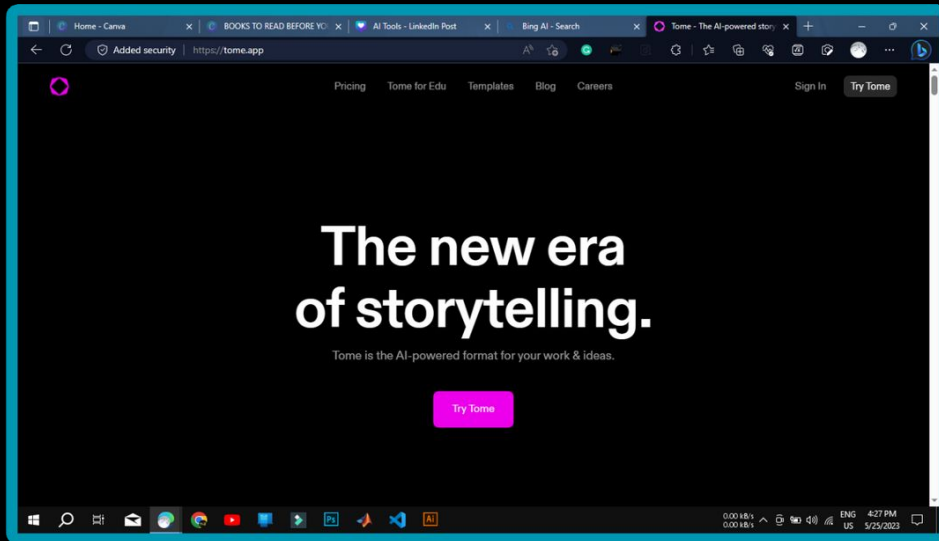
Runway.ml

An AI that can edit videos and remove unwanted objects using inpainting and other magic tools.



Tome

An AI that can create presentations from a single prompt using ChatGPT and DALL-E.





Job Search with AI-Powered Resume Writing and Editing

The screenshot displays the Rezi web application interface. At the top, there's a navigation bar with 'Rezi' logo, 'AI Features', 'Examples', 'Jobs', and 'Pricing'. A 'Log in' link and a 'Create Free Resume' button are on the right. Below the navigation bar, a sidebar on the left shows a vertical stack of icons. The main content area features a sample resume for 'Charles Bloomberg', a founder in Seoul, South Korea. The resume includes sections for 'PROFESSIONAL SUMMARY', 'PROFESSIONAL EXPERIENCE' (with roles like CEO & Founder, Web Developer, and Marketing Analyst), and 'AI KEYWORD TARGETING' on the right. The 'AI KEYWORD TARGETING' section lists various keywords with green checkmarks indicating their relevance. The resume text is partially obscured by a watermark 'Rezi'.

Charles Bloomberg
Seoul, South Korea ■ charliebloomberg@gmail.com ■ (621) 799-5548 ■ linkedin.com/in/charliebloomberg

PROFESSIONAL SUMMARY
Passion for building visionary companies through industry-leading tech, design, and execution. An experienced early-stage founder and global executive with an economics degree from the University of Wisconsin - Madison. Looking to join as a global startup consultant.

PROFESSIONAL EXPERIENCE

CEO & Founder
Rezi
August 2015—Present, Seoul, South Korea

- Built Rezi - the coolest resume software in the world, trusted by over 224,000 users.
- Founder of Rezi since the age of 22. At 23, successfully globalized into South Korea's most awarded global startup. Executed capital strategy to secure over \$650,000 in seed venture investment, governmental grants, and accelerator awards.
- Collaborated with the development team to engineer scalable partnership strategic objectives such as redemption-code-based access which resulted in over 50,000 new users in 1 month with zero marketing dollars spent.
- Accountable for developing company Vision as a response towards market conditions and opportunities which resulted in the development of 3 new core departments including e-learning, global recruiting, and data-vending.
- 5 full time employees; 233,190 users; \$650,000 total raised investment; \$8,000,000 valuation.

Web Developer
Kaplan
May 2015—November 2015, La Crosse, WI

- Executed website redesign of kaplanlearntech.com using Expression Engine as a CMS while working with marketing and sales teams.
- Optimized 3 landing page variants using HTML, A/B testing software and customer feedback to increase leads for sales teams.
- Lead the developing SEO strategies monitoring campaigns using MOZ Analytics for a 500k budget. Maintained performance through site analysis, and new keyword research. Prepared analytics and ranking reports presented to management.
- Executed Google Analytics tracking campaigns to maximize the effectiveness of 5 email re-marketing initiatives deployed using Salesforce software. Used Salesforce Object Query Language, C, and Python to search for data for specific information.
- Worked with Deck Writing, Channel Allocation, Budgeting, and more.

Marketing Analyst
Kaplan
November 2014—May 2015, La Crosse, WI

- Build and implement Tableau dashboards to track 6 marketing KPIs. Used data to create reports circulated amongst leadership.

AI KEYWORD TARGETING
Great work! You're ranking well for these keywords in the job description:

- Founder ✓
- Strategic Objectives ✓
- Capital Strategy ✓
- Sales ✓
- Seed ✓
- Vision ✓

Want to improve your chances of getting this role? Consider adding the following keywords to your resume:

- Financial Structure
- Advisory Board
- Retaining
- Agile Team
- Operational Budget
- Capital Fundraising Efforts
- Landing

UPDATE JOB DESCRIPTION

BUZZY

Turn an idea into a stunning app/website.
Without code. Without limits

Turn an idea
into a **stunning**
app. Without
code. Without
limits.

Buzzy's AI-powered no code platform turns your idea into a high quality Figma design and a working, full stack web or mobile app. In minutes.



Quiz

Generate Quizzes

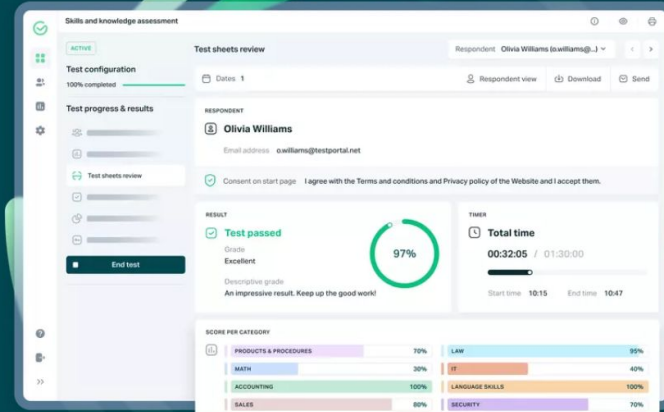
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AI-powered skills and knowledge assessment software, serving 2.5M+ business and educational users worldwide.

Sign up - it's free

✓ No credit card required



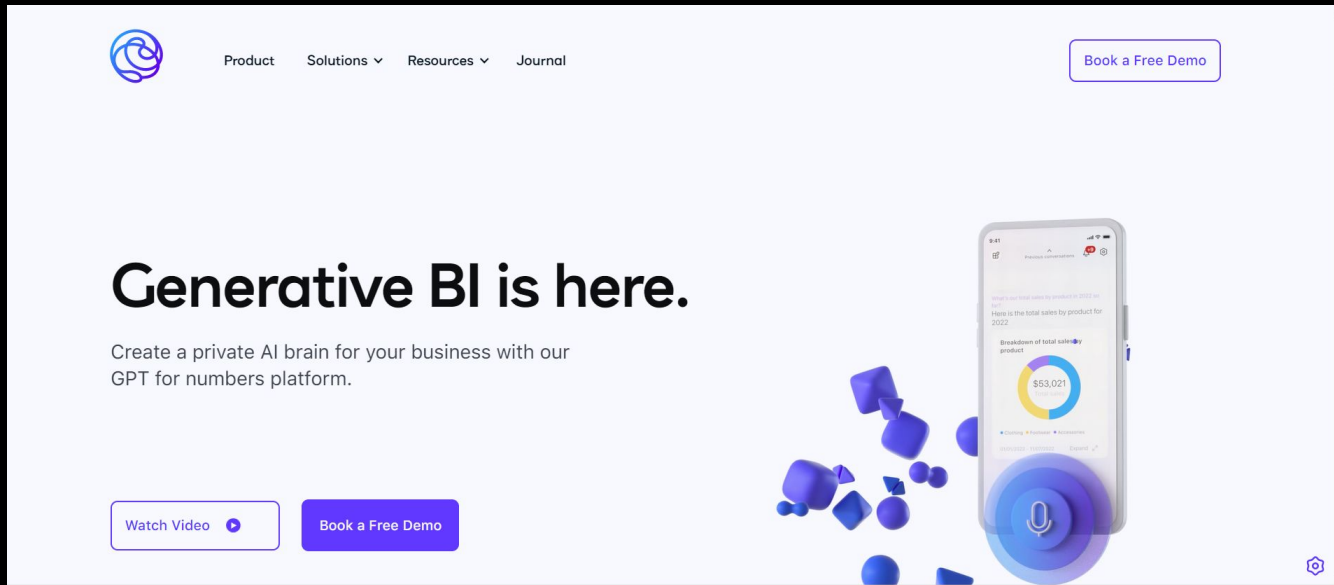
Here to take a test?

No registration required. Enter your access code and start.

[Start your test*](#)[Support](#)











Create a private AI brain for your business with GPT for numbers platform



Weaviate

Weaviate is an open-source vector database. It allows you to store data objects and vector embeddings from your favorite ML-models, and scale seamlessly into billions of data objects.

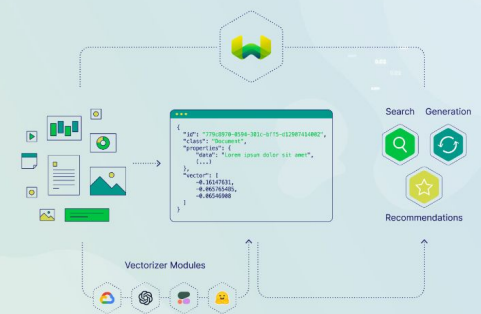
We are excited to announce a huge update to [Weaviate Cloud Services \(WCS\)](#) - check out the dedicated [WCS docs](#).

 Weaviate Cloud Services ▾ Company ▾ Blog Developers ▾       

The AI Native Vector Database

Weaviate is an open-source vector database. It allows you to store data objects and vector embeddings from your favorite ML-models, and scale seamlessly into billions of data objects.

[Start Free](#) [Documentation](#)



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    "z": 0.40040888
  }
}
```

Search Generation
Recommendations

Vectorizer Modules

Weaviate

Weaviate is an open-source vector database. It allows you to store data objects and vector embeddings from your favorite ML-models, and scale seamlessly into billions of data objects.

The screenshot shows the Weaviate website homepage. At the top, a purple banner contains the text: "We are excited to announce a huge update to [Weaviate Cloud Services \(WCS\)](#) - check out the dedicated [WCS docs](#)". Below this is a navigation bar with links for "Weaviate Cloud Services", "Company", "Blog", "Developers", and social media icons. A search bar is also present. The main content area features the heading "The AI Native Vector Database" and a paragraph: "Weaviate is an open-source vector database. It allows you to store data objects and vector embeddings from your favorite ML-models, and scale seamlessly into billions of data objects." Below the text are two buttons: "Start Free" and "Documentation". To the right, a diagram illustrates the Weaviate architecture. It shows "Data Objects" (represented by icons for documents, images, and tables) being processed by "Vectorizer Modules" (represented by icons for different ML models) to create "Vector Embeddings" (represented by a code block showing a JSON object with a vector). These embeddings are then used for "Search", "Generation", and "Recommendations" (represented by icons for a magnifying glass, a circular arrow, and a star).

Weaviate

Weaviate Cloud Services Company Blog Developers

Search

The AI Native Vector Database

Weaviate is an open-source vector database. It allows you to store data objects and vector embeddings from your favorite ML-models, and scale seamlessly into billions of data objects.

[Start Free](#) [Documentation](#)

Diagram illustrating the Weaviate architecture:

- Data Objects (Documents, Images, Tables) are processed by Vectorizer Modules (OpenAI, HuggingFace, etc.) to create Vector Embeddings.
- The Vector Embeddings are stored in the Weaviate database.
- The database supports Search, Generation, and Recommendations.



Useful AI Tools

Text



ChatGPT



Bard



Bing

Design



Midjourney



Adobe Firefly



Microsoft Designer

Video



Runway



Pictory



Descript

Content



Opus Clip



Tweetmonk



Synthesia

Presentation



Tome



Decktopus



beautiful.ai

Productivity



Notion AI



Perplexity



Grammarly

Code



Copilot X



Codex



CodeWhisperer

Interesting Facts About AI You Didn't Know



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1. AI pets.

Although real pets are lovable, AI pets, according to pet-bot developers, will be robots that look, feel, and act like real animals but eliminate the issues that owners face.

AI-powered pets are expected to be widely available in the market by 2025.

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2. The majority of AI Bots are Female

Studies show that the majority of people prefer the sound of a female voice to that of a male voice. Because if you ask Alexa or Siri a question, you will be answered by a pleasant and polite woman's voice.

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3. AI Can Recognise Emotions

Kismet, a robot developed in the late 1990s, can recognize emotions through human body language and voice tone.

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4. AI has passports and nationalities

Sophia, a lifelike humanoid, has been granted permanent residency in Saudi Arabia. It has sparked debate, with people wondering whether or not robots should have rights.

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5. AI is capable of self-repair.

A robot that rebuilt itself after losing two of its six legs and noticing its performance had dropped. The robot had no idea what the problem was, but it was fixed through trial and error.

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Other Web sites

Netflix: Netflix uses AI algorithms to analyze user preferences and behavior to recommend personalized content based on viewing history and ratings.

Amazon: Amazon utilizes AI to power its recommendation engine, which suggests products to users based on their browsing and purchase history.

Google Search: Google's search engine uses AI techniques, including natural language processing and machine learning, to deliver relevant search results and improve search accuracy over time.

Grammarly: Grammarly is an AI-powered writing assistant that helps users improve their writing by providing suggestions for grammar, spelling, and style improvements.

Chatbots on websites: Many websites incorporate AI chatbots that can provide automated customer support, answer frequently asked questions, and assist users with their queries in a conversational manner.

E-commerce websites: Various e-commerce platforms leverage AI to personalize product recommendations, optimize pricing strategies, and enhance the overall shopping experience.

News websites: News outlets use AI algorithms to curate personalized news feeds, deliver relevant content to users based on their interests, and automate news summarization.

Healthcare websites: Some healthcare websites integrate AI technologies to provide virtual consultations, symptom checkers, and personalized health recommendations.

Weather forecasting websites: Weather forecasting websites utilize AI models to analyze historical weather data, satellite imagery, and atmospheric conditions to provide accurate weather predictions.

Language learning platforms: AI-based language learning websites offer personalized language courses, adaptive learning systems, and speech recognition to help users improve their language skills.

Thank You!

