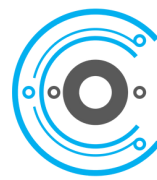


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# AI:10



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**Y:WAIT**

Young Women in AI & Technology

GET INSIGHTS ON AI UNDER 10 MINUTES

## INDUSTRY FOCUS

# THE STATE OF GENERATIVE AI IN 7 CHARTS

## HEADLINE NEWS IN A FLASH

- Lessons from finance's experience with artificial intelligence
- How Artificial Intelligence Could Reinvent The Communications Industry
- How artificial intelligence is being used to detect breast cancer
- ChatGPT is about to make the business of retirement planning and financial advice profoundly human
- This free app helps you find tons of useful ChatGPT prompts
- How AI and Machine Learning Are Improving Fraud Detection in Fintech

# THE STATE OF GENERATIVE AI IN 7 CHARTS

Source: CBInsights

**We break down the generative AI landscape across funding trends, top-valued startups, most active VCs, and more.** The buzz around generative AI — which refers to AI technologies that generate entirely new content, from lines of code to images to human-like speech — has reached a fever pitch.

The tech news cycle has been dominated by applications like ChatGPT, a chatbot that tallied up 1M users in under a week following its late 2022 release. But beyond the headlines, a wave of startups have already entered the market and are rapidly expanding the use cases for generative AI, tackling everything from search engines to motion capture animation. The vast majority of these startups have received little to no equity funding — signaling that there is still a massive opportunity for investors to get in early on this potentially transformative technology.

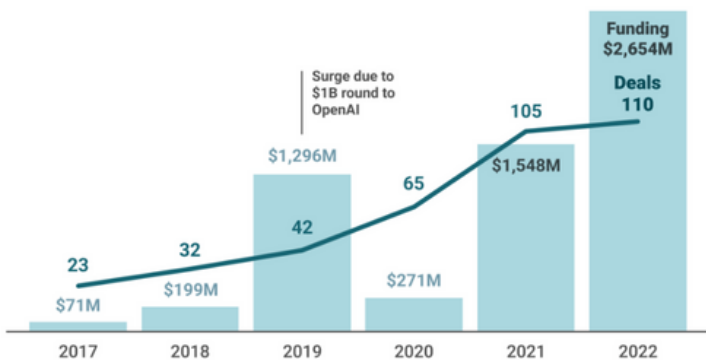
So far, the generative AI space has seen 6 companies reach unicorn status (valued at \$1B+), including:

- OpenAI
- Hugging Face
- Lightricks
- Jasper
- Glean
- Stability AI

The most recent entrants to the unicorn club are Jasper and Stability AI, following their \$100M+ mega-rounds in Q4'22.

Meanwhile, it's rumored that OpenAI — which just raised a multi-billion-dollar round from Microsoft — was recently valued at \$29B. Its latest disclosed valuation of \$20B comes from a secondary share sale in 2022.

## Investor interest in generative AI soared in 2022



Source: CB Insights

CBINSIGHTS

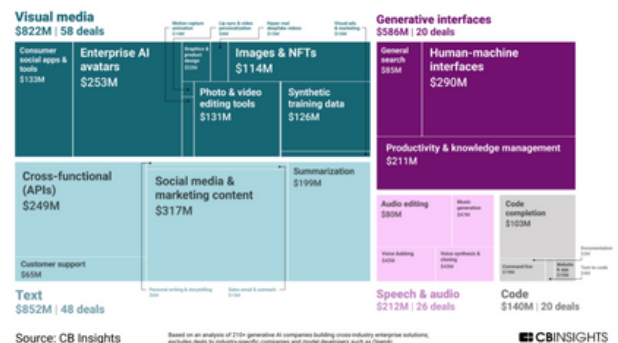
2022 was a record year for investment in generative AI startups, with equity funding topping \$2.6B across 110 deals.

The year's largest rounds went to these companies:

- **Anthropic**, an AI model developer and research outfit (\$580M Series B)
- **Inflection AI**, which focuses on human-computer interfaces (\$225M Series A)
- **Cohere**, a developer-focused NLP toolkit (\$125M Series B)
- **Jasper**, an AI-powered content creation suite (\$125M Series A)

## Where is all the money going in generative AI?

Distribution of generative AI funding, 2021 – 2022



Source: CB Insights

Based on an analysis of 270 generative AI companies building cross-industry enterprise solutions; excludes deals to industry-specific companies and model developers such as OpenAI.

CBINSIGHTS

There is a wide range of emerging focus areas in the generative AI space, which we've mapped. Among these, companies in text generation - which includes text summarization, story generation, and marketing content automation - have received the most funding, raising \$852M in equity funding across 48 deals since 2021.

# GENERATIVE AI: EDUCATION IN THE AGE OF INNOVATION

Source: Forbes

The intelligence contained within artificial intelligence (AI) has been making significant leaps and bounds very recently, with generative AI becoming one of the most popular topics in the tech industry. Generative AI like ChatGPT has the potential to transform various industries, including education, potentially bringing the sector forward into an increasingly more technologically-heavy future for all the good and the bad that it brings.

## Use Cases And Benefits Of Generative AI In Education

The potential applications of generative AI in the education sector are endless, with personalized learning content being one of many possibilities floating around the market. Experts believe that creating new and exciting products that utilize generative AI will better allow educators to create engaging and interactive learning experiences to help foster growth in their students.

### Examples of generative AI use cases in education include:

- Generating questions for students to answer based on their current level of understanding and achievement.
- Generating personalized study plans for students based on their performance and strengths/weaknesses.
- Creating engaging and interactive learning activities, such as games and simulations, to help students understand complex concepts.
- Generating real-time feedback and assessments, allowing teachers to quickly identify areas where students need additional support.

Generative AI essentially produces content (e.g., text, images, audio, video) for the digital publishing industry in education, which can have huge cost reduction benefits. Furthermore, for personalized learning, generative AI potentially enables the provision of step-by-step problem-solving hints and feedback to learners. If designed well to encourage learner skill development, this could really help address teacher-related challenges, as AI can replace teacher tasks to provide individualized, real-time feedback. This is real, personalized learning.

## Challenges And Limitations Of Generative AI In Education

While generative AI in education has numerous benefits, we must also remain aware and vigilant for potential drawbacks. One concern is the potential for bias in generated educational content, as the algorithms are

only as unbiased as the data they are trained on. It is not impossible for a generative AI program that was created to be utilized by a particular group of students based on their race, gender or socioeconomic status could reinforce negative stereotypes and negatively impact their learning experience. Above all else, we must ensure generative AI systems are designed and programmed to be inclusive and equitable for all users.

Additionally, while generative AI systems may have seemingly endless applications in education, they may lack the creativity and originality human teachers and educators can provide. While humans can have boundless creativity and ingenuity, generative AI systems are limited by the data they have been provided, meaning they may lack the ability to produce content that is innovative or outside the box. So while generative AI may be the next big thing in education, we must remember that educators continue to play an invaluable and irreplaceable role in the learning process.

The potential for students to use and perhaps even rely too heavily on the technology to provide immediate answers and solutions will most certainly come up when addressing the use of AI in education, with many people fearing students will use generative AI to cheat. However, the real question is how to leverage generative AI to benefit learner skill development from now to the next 10 years. When introducing AI products into the classroom, care must be taken to ensure the technology does not hinder students' development of critical thinking and problem-solving skills or undermine the integrity of student work.

The digital divide between students with and without access to technology may also be exacerbated by the use of generative AI in education, potentially widening the learning gap for underserved and minority students. A good product that properly utilizes generative AI's capacity to benefit education requires "capacity" and visionary leadership support. "Capacity" means a team of educated domain experts who understand the potential of generative AI, data scientists and engineers who know how to work with domain experts to explore that potential and iterate on solutions. Leadership is extremely essential to connect these experts and provide the necessary resources and support to make this happen.



# HEADLINE NEWS IN A FLASH

## LESSONS FROM FINANCE'S EXPERIENCE WITH ARTIFICIAL INTELLIGENCE

Who are the earliest adopters of new technologies? Cutting-edge stuff tends to be expensive, meaning the answer is often the extremely rich. Early adopters also tend to be incentivised by cut-throat competition to look beyond the status quo. As such, there may be no group more likely to pick up new tools than the uber-rich and hyper-competitive hedge-fund industry. This rule appears to hold for artificial intelligence (ai) and machine learning, which were first employed by hedge funds decades ago, well before the recent hype. First came the “quants”, or quantitative investors, who use data and algorithms to pick stocks and place short-term bets on which assets will rise and fall. Two Sigma, a quant fund in New York, has been experimenting with these techniques since its founding in 2001. Man Group, a British outfit with a big quant arm, launched its first machine-learning fund in 2014. aqr Capital Management, from Greenwich, Connecticut, began using ai at around the same time. Then came the rest of the industry. The hedge funds' experience demonstrates ai's ability to revolutionise business—but also shows that it takes time to do so, and that progress can be interrupted.

Source: Economist

## HOW ARTIFICIAL INTELLIGENCE IS BEING USED TO DETECT BREAST CANCER

As the era of artificial intelligence, or AI, continues to expand, the groundbreaking technology is now being used as a tool to detect breast cancer. More and more breast imaging centers across the country are now using a type of AI called computer-assisted detection, or CAD, to help reduce the number of breast cancer cases that are missed by the traditional mammogram. One major study estimates that mammogram screenings miss about 1 in 8 cases of breast cancer. “The major advantage to AI right now is it speeds up the reading of the mammogram, so that a radiologist can see more mammograms accurately over a certain period of time,” Dr. Larry Norton, medical director of the Evelyn H. Lauder Breast Cancer Center at the Memorial Sloan Kettering Cancer Center in New York City, told “Good Morning America.” With CAD, a patient undergoes a typical mammogram, an X-ray of the breast, and then the results of the scan undergo additional computer screenings to mark areas of potential cancer. Studies show CAD helps review images, assess breast density and flag high-risk mammograms that may have been missed by radiologists.

Source: abcnews

## THIS FREE APP HELPS YOU FIND TONS OF USEFUL CHATGPT PROMPTS

In recent months, ChatGPT has dominated headlines on the internet and beyond. The AI chatbot is extraordinarily capable, as millions of users have discovered since it went live late last year, but like any tool, it works way better when you know how to use it. One of the easiest ways to quickly get the responses that you're looking for is to provide ChatGPT with the correct prompt, which is where the Arvin ChatGPT prompt library comes into play. Recently highlighted by Product Hunt, Arvin is a website and a browser extension that generates prompts for ChatGPT. If you know what you want from ChatGPT but you aren't quite sure how to construct your message, you can just have Arvin do it for you. If you visit Arvin's website, you'll see a list of topics to choose from, including Sales, SEO, Writing, Coding, and Teaching. Click on a topic and you will see all of the prompts that Arvin has come up with. For example, when you click on the “Writing” topic, you'll see a selection of prompts like “Act as a Movie Critic,” “Act as a Poet,” and “Act as a Journalist.”

Source: BGR

## HOW ARTIFICIAL INTELLIGENCE COULD REINVENT THE COMMUNICATIONS INDUSTRY

Is AI able to be evocative and creative in the same way that humans are? No, and it likely will not ever possess the same kind of creativity as humans. Creators are the true genius behind what generative AI can do, and that's something to be excited about and proud of. Currently, AI is assisting us in creating more personalized content, driving ad revenues and SEO rankings, helping us learn how to communicate better via chatbots, and offering rudimentary yet unprecedented machine-generated entertainment opportunities (think Hatsune Miku or hologram performances of Tupac). In the future, AI will likely be responsible for creating much of the content we consume. However, its function will still be that of a unique, useful tool rather than a replacement for human creativity. It's true that there are ethical issues to be discussed and overcome, but there is no denying that AI can broaden the scope of what humans believe is possible and lead us to new creative heights that we cannot even imagine yet.

Source: Forbes

## CHATGPT IS ABOUT TO MAKE THE BUSINESS OF RETIREMENT PLANNING AND FINANCIAL ADVICE PROFOUNDLY HUMAN

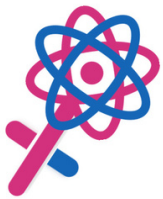
ChatGPT and other emerging generative AIs are set to transform the business of financial and retirement advice, not just because of what the technology does, but how it will change client expectations for human advisers. Despite decades-long industry positioning that financial professionals are here to take emotion out of money decisions, advisers must now embrace being human more than ever. However, a closer examination of two professions suggests that rather than competing with technology, it is better for advisers to embrace their human side. Not too long ago online booking sites, crowdsourced advice, and other automated tools were leading many to write an epitaph for the travel agent industry. While there were disruptions and displacements, travel agents are alive and well today. Successful travel agents do not compete with technology, instead they leverage it to deliver personal advice that, for now, AI cannot provide. Rather than simply providing the transactional business of ticketing and itinerary planning, personalized insight is the new premium service.

Source: MarketWatch

## HOW AI AND MACHINE LEARNING ARE IMPROVING FRAUD DETECTION IN FINTECH

Internet fraud is a menace in our various financial institutes, and many fintech companies have been victims of this fraud game. Detection of these attacks comes in two ways: through inconsistent traditional methods or using ever-growing artificial intelligence mechanisms. How have AI and machine learning improved fraud detection in the fintech industry? What specific applications does this technology touch, and what mechanisms complement it? We have compiled key areas where its application has become highly beneficial. Identity theft is common, but with the rise of AI, its effect on the fintech industry has been reduced drastically. Users are bound to become more susceptible to fraud in this area when activities like creating accounts, submitting applications or filing tax returns become more computerized. Digitized data is easier to access, giving identity thieves more possibilities to penetrate the server. For instance, identity thieves can create accounts in someone else's name, get access to that person's benefits or even steal their tax returns using the stolen identification information.

Source: Entrepreneur



# Y:WAIT

Young Women in AI and Technology

## Who are we?

Y:WAIT is a student-led organisation built to support young women in STEM involved in the application of AI, Sciences and Technology in the work we do.

## What can you expect?

- Global mentorship and advisory network
- Company visits catered to young students interested in pursuing careers in the technology industry
- Seminars and webinars with esteemed speakers from all over the globe
- Nationwide & Gglobal competitions/hackathons designed to encourage innovation in AI, especially for female youths

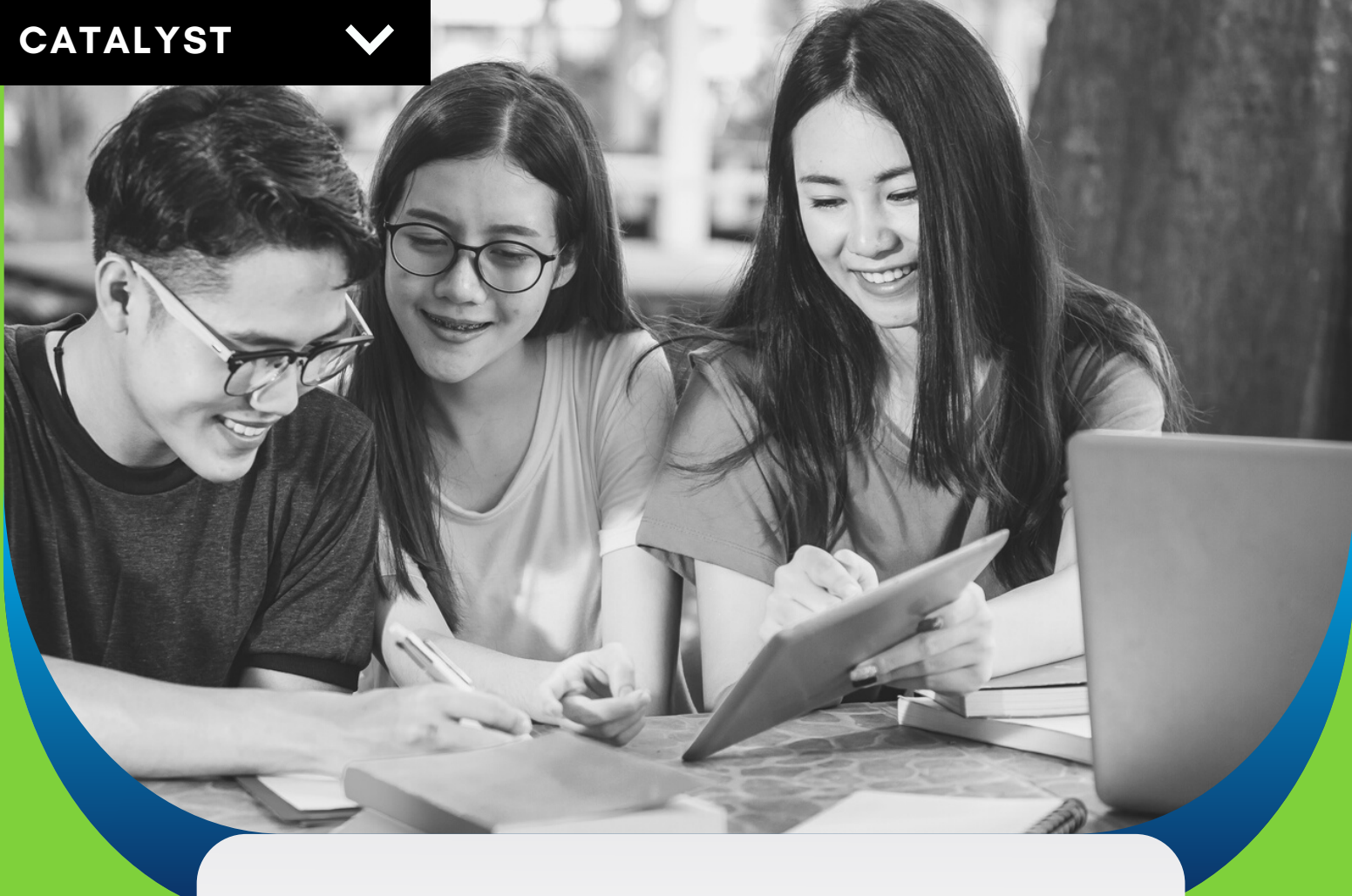
## What is our purpose?

Raise awareness and promote interest about young women in STEM, create new and innovative ideas, build connections and partnerships within the industry and form new ventures that create impact; a movement that encourages the question: why wait?

<https://ceaiglobal.com/ywait/>



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## AIV50

AIV50 is a tech venture company with a portfolio of 50 AI assets in 10 key verticals. The special purpose company forms part of a joint incubation and venture building project by MyFinB Group (MFB) and VSC Portfolio Investments (VSCPI).

Website: [www.aiv50.com](http://www.aiv50.com) Email: [ventures@aiv50.com](mailto:ventures@aiv50.com)



TAFGAI

## THE ACCOUNTING AND FINANCE GROUP IN AI (TAFGAI)

TAFGAI is set up to help accounting firms and infuse their operations with our proprietary AI expert systems. The immediate goal is to transform their businesses, making them leaner, more tech-proficient and value adding to their clients using AI in 10 key areas. This will have the effect of positive revaluation of the firms, with healthy topline and bottomline along with a decent multiplier.

Website: [www.tafgai.com](http://www.tafgai.com)



## SOCIAL FINANCE USING APPLIED ANALYTICS (SOFINAA)

Sofinaa addresses the primary issue faced by social welfare agencies, public agencies and organisations that channel funds to help those facing socioeconomic challenges. Sofinaa provides analytical insights using AI to evaluate cases and measure how the funds have been effectively utilised – including the impact these have contributed to the beneficiaries' well-being. Sofinaa enhances transparency, accountability and generate insights relating to social return on investments.

Website: [www.myfinb.com/sofinaa](http://www.myfinb.com/sofinaa)



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Website: [www.globalchamber.org](http://www.globalchamber.org)



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Website: [www.knowledgechamber.org](http://www.knowledgechamber.org) Email: [info@knowledgechamber.org](mailto:info@knowledgechamber.org)



## SURYADATTA EDUCATION FOUNDATION

The Suryadatta Education Foundation, SEF, is a charitable trust registered with the Registrar of Societies, Government of Maharashtra. The Suryadatta Group of Institutes was established in the year 1999, with the blessing of Late Smt Ratanbai & Shri Bansilalji Chordia in Pune – The Oxford of East.

Website: [www.suryadatta.org](http://www.suryadatta.org) Email: [info@suryadatta.edu.in](mailto:info@suryadatta.edu.in)



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Website: [www.ficci.in](http://www.ficci.in)



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- Pioneered the Entrepreneurship Development Programme (EDP) Model.
- Ranked as Number 1 by Atal Ranking of Institutions on Innovation Achievements (ARIIA) – 2021 in General (Non-Technical) Category. The only institute from Gujarat to be ranked as Number 1 across all seven categories.

Website: [www.ediindia.org](http://www.ediindia.org)



## WOMEN ENTREPRENEURSHIP CELL

Women Entrepreneurship Cell under Kadi Sarva Vishwavidyalaya (KSV), managed by Sarva Vidyalaya Kelavani Mandal, Kadi and Gandhinagar, Gujarat, India, established in 2016, to ignite the spirit of Entrepreneurship amongst our students. In the current era, countries should create more support systems for encouraging entrepreneurship among students. At the same time, it is to foster gender equality to break away from stereotyped mindsets.

Website: [www.wecksv.org](http://www.wecksv.org)



## KADI SARVA VISHWAVIDYALAYA

Kadi Sarva Vishwavidyalaya is a University established vide Gujarat State Government Act 21 of 2007 in May 2007 and approved by UGC (ref F. 9-18/2008(cpp-1) March 19,2009). The University has been established by Sarva Vidyalaya Kelavani Mandal to achieve the following objectives: To provide need-based education and develop courses of contemporary relevance. To be a University of excellence by providing research-based activities which would foster higher economic growth. To provide education to all irrespective of caste, creed, religion etc. The University has at present 19 Constituent Colleges/Departments at Gandhinagar and Kadi.

Website: [www.ksv.ac.in](http://www.ksv.ac.in)



## BE PHENOMENAL

Dr. Rachana specialized in Cosmetic Dentistry from State University of New York. After rendering her services to the medical field and its beneficiaries for a decade, she decided to contribute to her family business when she did her MBA from Nirma University with Gold Medal. Furthering the growth of human centric business approach, she successfully completed her course in Executive Education in Design Thinking from Stanford University.

Website: [bephenomenal.co.in](http://bephenomenal.co.in)

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MyFinB helps people understand and communicate what is most important in their data. By transforming data into insightful, human-like language, the company's natural language technology enables people to be data-driven and make better decisions, focus talent on higher-value opportunities, and create differentiated products.



The Centre for AI Innovation (CEAI) forms part of MyFinB Venture's portfolio of innovative, disruptive projects to guide and support the digital transformation initiatives by organisations and business innovators.



'The AI World Summit: Where Innovators & Disruptors Meet to Challenge Limits' brings together the global AI community from a range of businesses, science and tech to go beyond the buzz and hype, discuss the most burning AI issues, share their developments, successes, challenges, and the resultant impact on their businesses.

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