

2024



WRAPPPED



Global AI market: \$184 billion in 2024

ON TRACK FOR \$826.7 BILLION BY 2030.

GenAI, the booster of AI Adoption and AI Economy

Generative AI could contribute \$2.6 trillion to \$4.4 trillion annually across industries globally, representing 15-40% of AI's total economic potential

Generative AI accounts for an estimated \$40-70 billion, reflecting its dominance in AI-driven applications.

Generative AI is expected to boost labor productivity by 0.1% to 0.6% annually through 2040, with the most substantial growth beginning in 2024 as adoption scales.

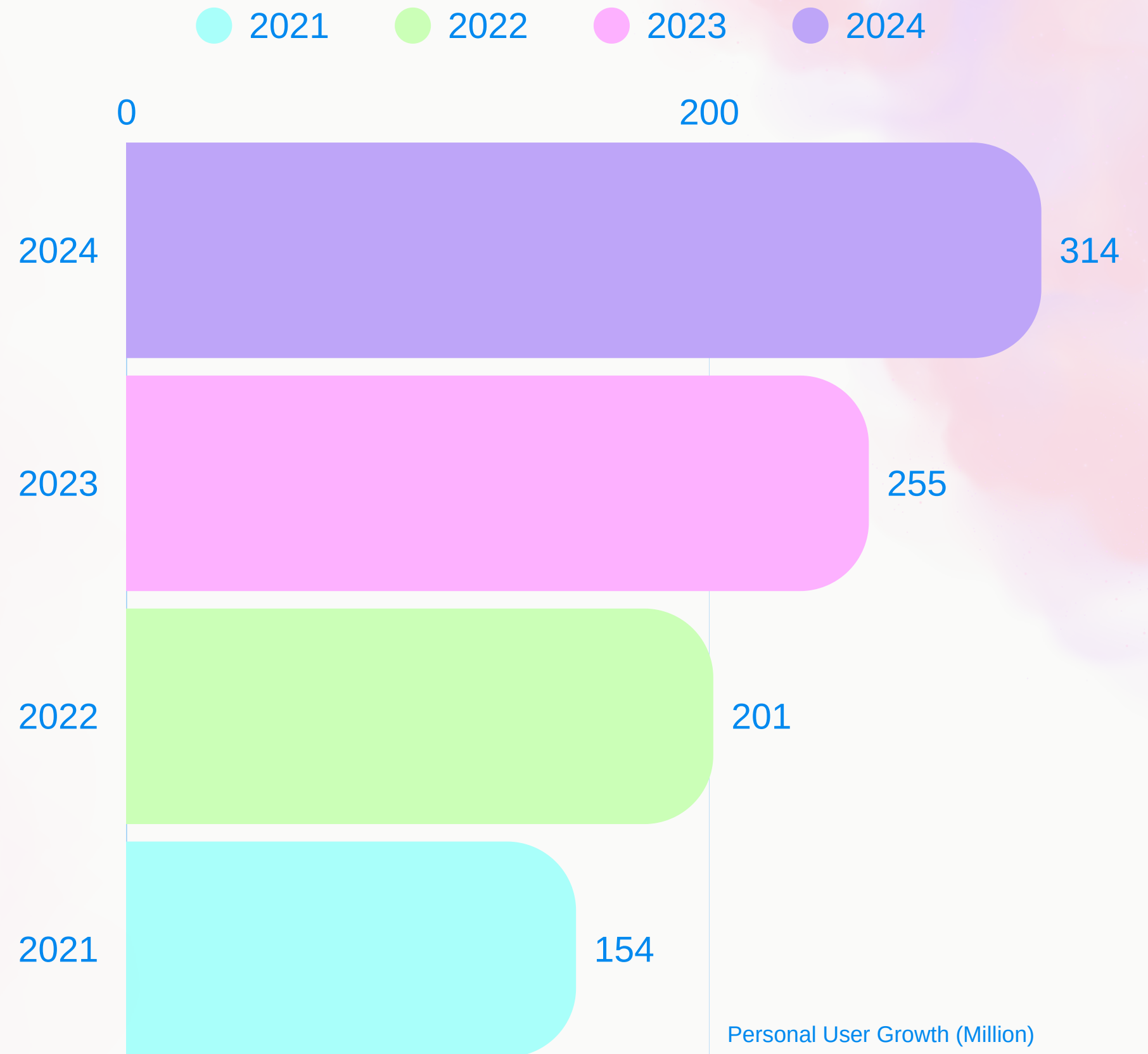


RISING STAR: GENERATIVE AI



In 2021 generative AI was like your favorite underground band.

2024, it's the Beyoncé of tech—everywhere, unstoppable, and defining the era.



companies love it too

IN 2024

75%

of businesses now use GenAI
—up from 55% in 2023.

COMPANIES USING GENAI REPORTED A

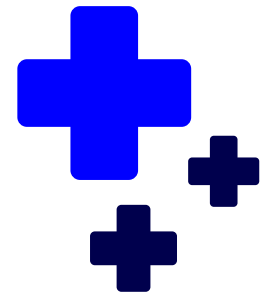
59%

INCREASE IN REVENUE

AI is officially the best coworker —it doesn't need coffee breaks or PTO.

MOST BENEFITED

SECTORS



HEALTHCARE

- AI-driven diagnostic tools (e.g., Med-Gemini) and clinical decision support systems.
- Personalized treatments, drug discovery acceleration, and patient management.



FINANCE

- Advanced risk assessment, fraud detection, and automation of financial operations.
- Increasing use of generative AI in customer support and compliance workflows.



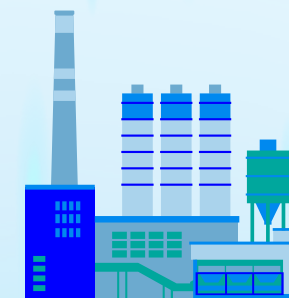
EDUCATION

- AI-fueled personalized learning paths, automated grading, and content creation
- Integration of generative tools for tutoring and student engagement.



RETAIL

- AI-powered customer personalization, predictive inventory management, and chatbots
- Increased adoption of AI for logistics optimization and demand forecasting.



MANUFACTURING

- Predictive maintenance, quality control, and process automation
- Robotics for assembly lines and enhanced efficiency.

your top hits

aka most-used AI tools>

1. MARKETING

73% of marketing teams use AI, cutting content creation time by **30%-50%**.

2. IT & CODE

GitHub Copilot boosts dev productivity by **55%** and saves **20 hours/week**.

3. CUSTOMER SERVICE

AI handles **70%** of queries, saving companies **45%** on costs.

4. PRODUCT DESIGN

GenAI is shaving **40%** off development time by creating prototypes on the fly

5. HEALTHCARE

AI reduces diagnostic errors by **40%** and drug discovery time by **50%**.



BUT
Not All That
Glitters is Gold



MEANWHILE, **35%** OF PARENTS ARE DISCUSSING AI WITH THEIR KIDS.)

("NO, YOUR CHATBOT CAN'T DO YOUR HOMEWORK!")

88% OF NON-USERS ARE LIKE, "WHAT'S AI EVEN GONNA DO FOR ME?"

2024's AI Ethics Drop List:

TRANSPARENCY, TRUST, AND FAIRNESS EDITION

- **Fair Play Champ: Aerospace and transport** took the lead with **35%** fairness adoption, while healthcare held steady at **23%**.
- **The Transparency Goat: North America** dominated with a **92%** transparency adoption rate – the undisputed leader of the pack.
- **Most Trusted LLM: Claude-2** stole the spotlight with an unbeatable **84.52** trustworthiness score. **Llama-2** wasn't far behind, keeping it respectable above **72**.
- **Europe's Ethical Reign:** Leading global **responsible AI** efforts at **85%** adoption – Europe stays consistent in setting the bar.
- **Industries Making a Difference: Finance and healthcare** went all-in on fairness and transparency because integrity isn't optional.

When it comes to GenAI tools, ChatGPT stands tall as the reigning champion of adoption rates.

CHATGPT ISN'T JUST A PRODUCT; IT'S BECOME A VERB. "DID YOU CHATGPT IT?" MIGHT JUST REPLACE "GOOGLE IT" SOONER THAN WE THINK.

“ChatGPT”
was Googled

338 MILLION

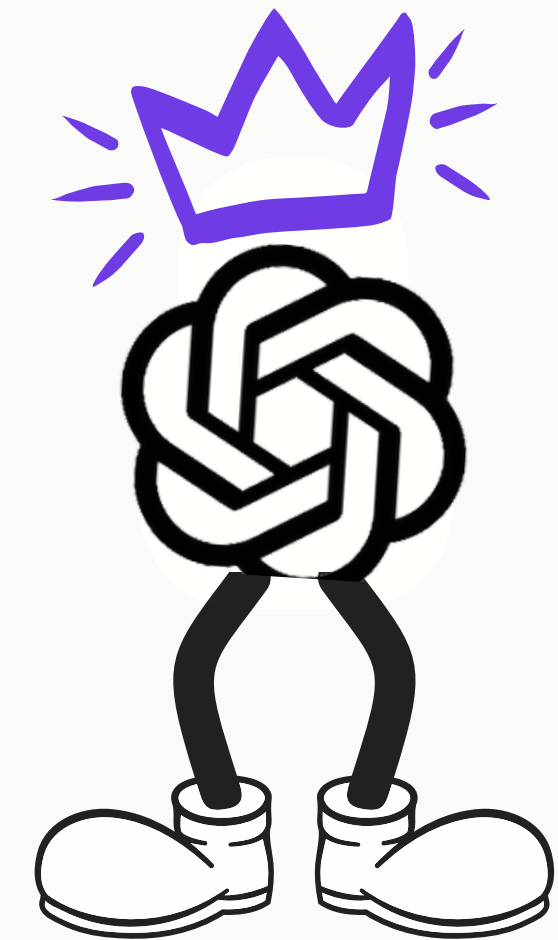
TIMES MONTHLY (AVERAGE)

YES, PEOPLE ARE OBSESSED!"

LET'S FACE IT,

CHATGPT

ISN'T JUST *DOMINATING* YOUR BROWSER;
IT'S *DOMINATING* YOUR WORKFLOWS TOO.



with

60.2%

OF THE GENERATIVE AI MARKET SHARE

207.7 million

ACTIVE USERS MONTHLY



OTHER FAVORITES

MidJourney

- 20 million active Discord users creating AI-generated art.
- Dominates the visual creation space, ideal for artists and marketers.

Canva's AI Tools

- Used by 56% of influencers, with 639.7 million site visits in July 2024.
- Focused on design but not suitable for text-heavy or coding tasks.

Claude 3 (Anthropic)

- Gaining popularity for reliable, long-form content generation.
- Trusted by enterprises, though it lacks ChatGPT's mass adoption.

GitHub Copilot

- Used by 1.3 million developers, the go-to for coding assistance.
- Streamlines software development with AI-powered suggestions.

DALL·E 3

- Image generation, particularly strong in text-to-image workflows.
- Widely adopted for marketing and design projects.

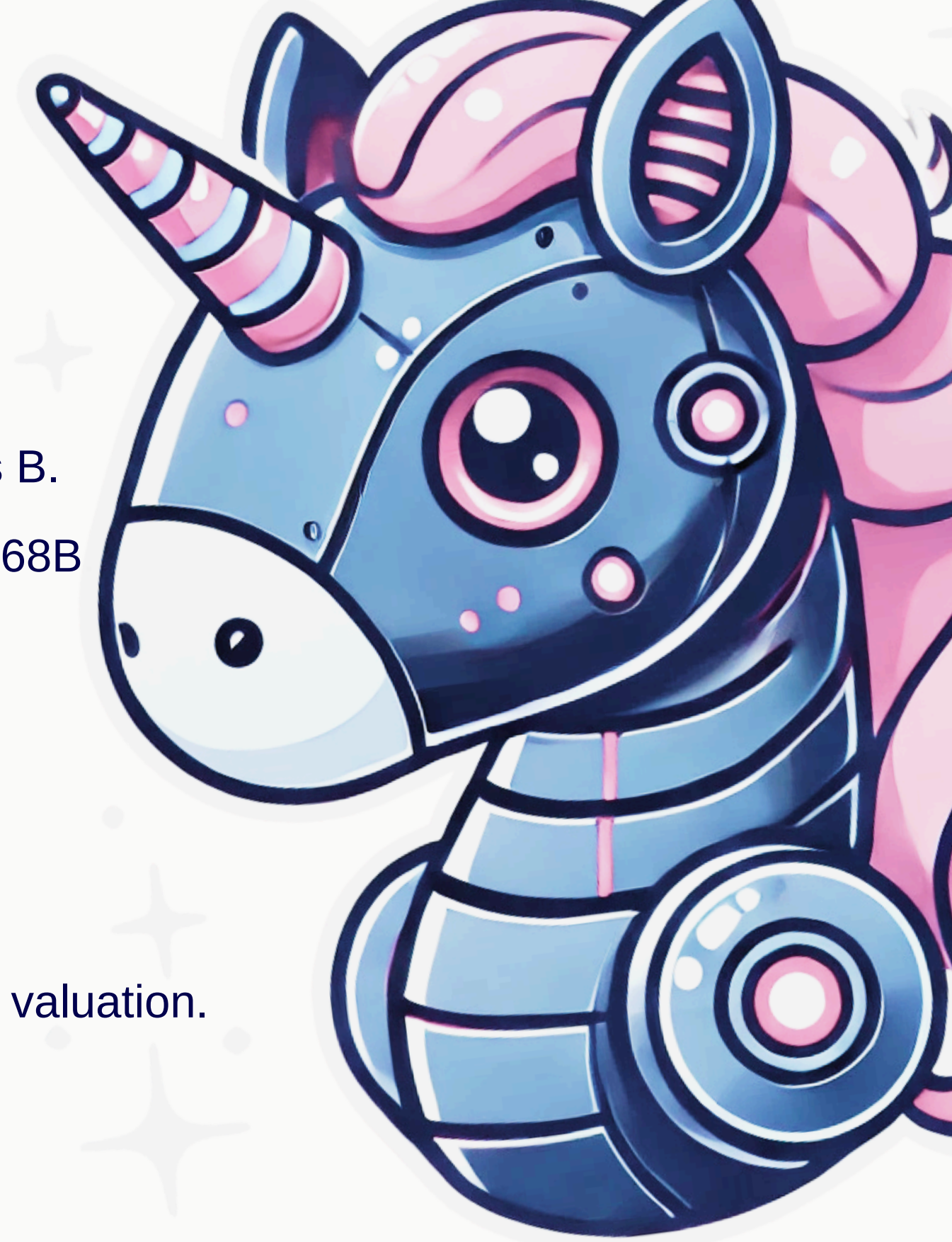
AI startups!

DOMINATED

~30% of the “2024 Unicorns” playlist.

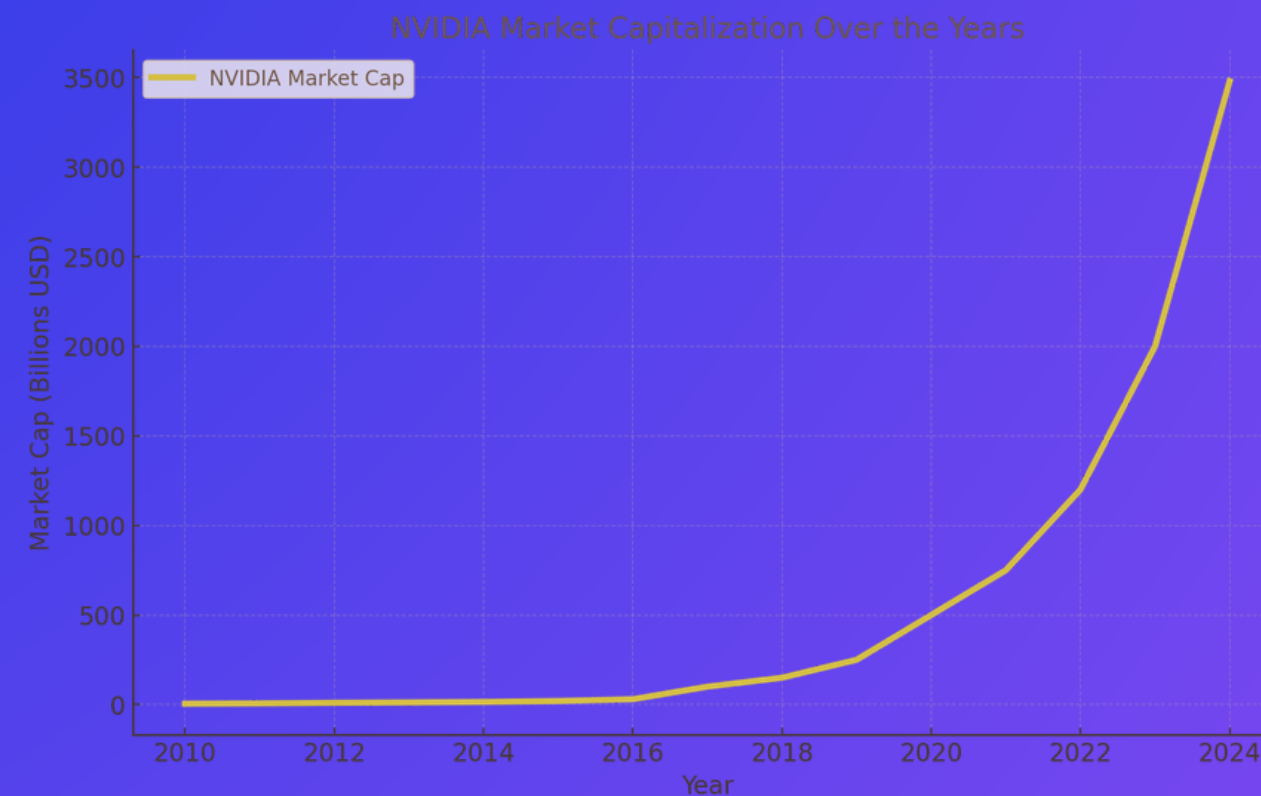
- 1 **xAI** – Valued at \$24B, is here to rewrite the AI language playbook; \$6B Series B.
- 2 **Figure AI** – Think humanoid robots straight out of sci-fi. Current valuation: \$2.68B
- 3 **Moonshot AI** – With a valuation of \$2.5B, this one is reaching for the stars.
- 4 **Cognition AI** – Your autonomous software engineer, valued at \$2B.
- 5 **Cyera** – Leading AI cybersecurity innovation, with a \$1.4B valuation.
- 6 **Together AI** – Collaboration is the name of the game with a \$1.25B valuation.
- 7 **Eleven Labs** – Pioneering AI-powered voice and text generation with a \$1.1B valuation.
- 8 **Perplexity AI** – Disrupting search with a fresh perspective, valued at \$1.05B.
- 9 **Krutrim** – A stealthy AI newcomer with a solid \$1B valuation.
- 10 **DataSnippet** – Revolutionizing AI-powered data automation and analytics at \$1B.

source: ai unicorns



BIGGEST HIT

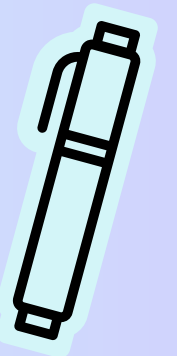
NVIDIA reached a \$3.4 trillion market cap, fueled by the skyrocketing demand for GenAI hardware.



Major lab relies on NVIDIA, making it the MVP of AI's global stage.

THIS YEAR'S TOP R&D LOVERS

- **Most Patented Country:** China dominates with a staggering 61.1% of global AI patents. The U.S.? Holding steady at 20.9%—maybe time to step up the game!
- **Top Coders Unite:** GitHub saw a surge to 1.81 million AI projects, proving developers worldwide pulled more all-nighters than ever. Sleep is so 2023!
- **Machine Learning Model MVPs:** The U.S. flexed its AI muscles with 61 notable ML models. China contributed 15, and France surprised everyone with a delightful 8—oui oui!
- **Per Capita Powerhouses:** South Korea clinched the title with 10.26 AI patents per 100,000 people. Luxembourg isn't just about banks anymore—it's punching above its weight!
- **Biggest AI Upset:** China's leap from 20.9% of AI patents in 2010 to 61.1% in 2024 is the plot twist we didn't see coming. The U.S. might want to draft a comeback plan.
- **Collaboration Kings:** Industry partnerships produced 51 notable ML models, leaving academia's 21 models wondering if they missed the memo.
- **Surprise Player of the Year:** India cracked the top 10 for AI adoption—turns out they're exporting more than just tech support.



o
champion
resigner
champion
resigner
champion

TECHLETTER BY NESIBE KIRIŞ

OPEN AI

WHO LEFT THE BOAT?

Ilya Sutskever: Co-founder & Chief Scientist – jumped ship in May to launch Safe Superintelligence Inc. with the Daniels.

John Schulman: Co-founder – said goodbye in August, joining Anthropic to focus on alignment research.

Mira Murati: CTO – sailed off in September to raise funds for her own AI startup.

ai trends

AI for Education

Zero-Trust AI

Retrieval-Augmented Generation

Multi-Modal AI

AI Democratization

GraphRAG

Conversational AI

Open source AI

AI Governance

AI for Healthcare

Shadow AI

Self-Adaptive Security

AI security

CoBots

Ethical AI

Agentic AI

Edge AI

Regulation and ethics

Explainable AI

Digital Twins

Emotional AI

your top AI performers

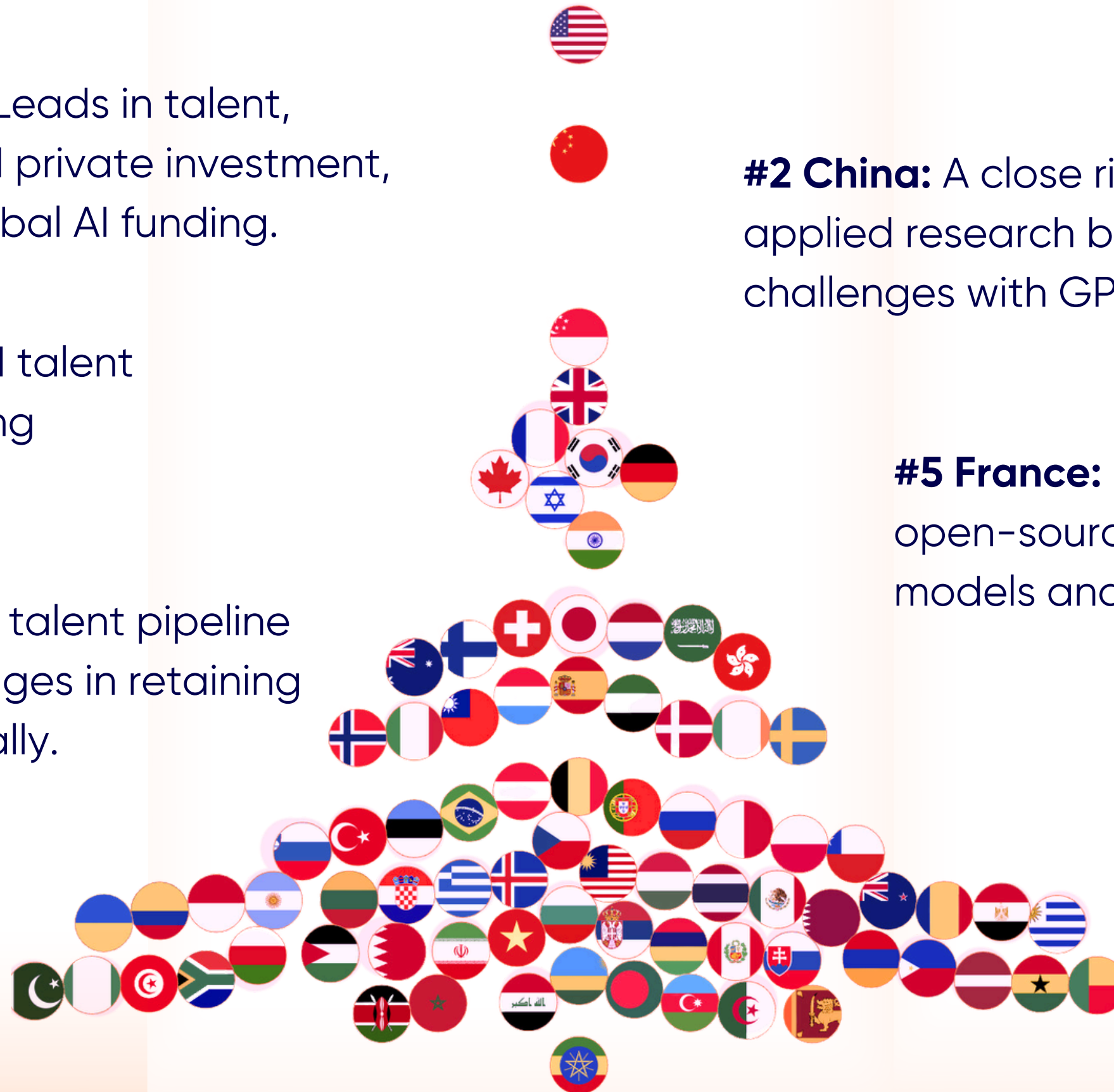
#1 United States: Leads in talent, infrastructure, and private investment, owning 60% of global AI funding.

#3 Singapore: Excels in AI talent density and private funding despite its small size.

#10 India: Strong talent pipeline but faces challenges in retaining its workforce locally.

#2 China: A close rival, strong in applied research but navigating challenges with GPU export bans.

#5 France: Now a leader in open-source large language models and public AI spending.



who signed the queen CoE treaty?

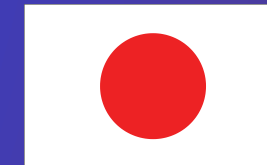
37

Cyprus
Portugal
Luxembourg
Denmark
Sweden.
France
Israel
Germany
Moldova
Andorra
Ireland
Latvia
Greece
Poland
Iceland
Belgium
United States of America
Bulgaria
Georgia
Romania
European Union
Republic of Moldova
the Netherlands
Slovakia
Croatia
Finland
Estonia
Lithuania
Czechia
Hungary
Norway
Austria
United Kingdom
Malta
Italy
Slovenia
San Marino
Montenegro
Georgia

WHO MOVED ON WITH POLICIES?



Drafted National Security Memo on AI.
Launched AI Safety Network globally.
Established TRAINS Taskforce for AI risks.
Proposed No Fakes Act legislation.
Initiated Global Inclusivity Partnership on AI.
FTC guidelines on AI transparency.



Proposed draft legislation.
Released AI Guidelines for Business 1.0.
Announced generative AI framework via OECD.
Revised copyright laws to enable AI training.



Finalized the EU AI Act.
Established the EU AI Office.
Partnered with Council of Europe AI Treaty.
Proposed benchmarks for GPAI energy tracking



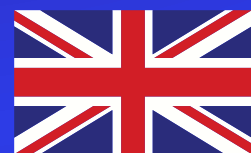
Co-hosted AI Seoul Summit, adopted "Seoul Declaration."
Hosted REAIM Summit, endorsed AI military governance blueprint.
Passed law penalizing misuse of AI-generated deepfakes.



Released Shanghai Declaration on Global AI Governance.
Introduced AI Safety Governance Framework.



Unveiled updated National AI Policy.
Introduced risk-based AI legislation.
Strengthened AI initiatives through UNESCO collaborations.



Launched research program for Frontier AI safety cases.
Binding AI Legislation proposed in King's Speech
AI Action plan commissioned
Updated Machine Learning Security Principles
AI Assurance Platform Launched



Launched PBIA 2024-2028, investing \$4B in ethical AI.
Drafted AI legislation prohibiting risky applications.
Partnered with AIB for \$2.89B infrastructure investments.



Partnered with UNESCO for AI safety in education.
Advanced AI-driven translations via Bhashini.



Released Voluntary AI Safety Standard with 10 guardrails
Launched Responsible AI Use in Government policy



Approved official international AI policy.
Launched "UAE Charter for AI Development."
Expanded global AI collaboration with the U.S.



Launched \$100B "Project Transcendence" for AI innovation.
Partnered with Google Cloud for \$71B AI hub.
Issued Generative AI Guidelines for ethical government use.
Launched AI Adoption Framework.

WHO MOVED ON WITH POLICIES?



Signed AI Safety Memorandum with the UK.
Enhanced AI talent development.
Offered Guidance on Securing AI Systems



Formed an AI Commission in August.
Updated National AI Strategy with a 2024-2025 action plan.
Launched "Public AI Ecosystem 2024 Call" for AI projects.



Appointed Clara Chappaz as first AI Secretary.
Announced Artificial Intelligence Action Summit 2025.
Secured €4B Microsoft AI investment.
Prioritized ethical AI through 25 recommendations.
Aligned policies with EU AI Act.



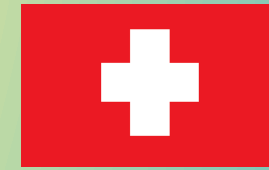
Released "Italian AI Strategy 2024-2026."
Proposed AI draft law aligned with EU Act.
Launched AI-assisted teaching pilot in schools.
Advocated ethical AI at G7 Summit with Pope's presence.



Launched a vision for Generative AI.
Co-authored UN resolution on AI military ethics.
Allocated €200M to boost AI innovation and R&D.



Drafted 19 AI regulatory proposals
Introduced Federal AI Regulation Bill



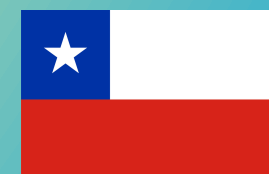
Established Ministry of Digitalisation for AI governance.
Aligned national AI policies with EU AI Act standards.
Sovereign fund urged AI competency in corporate governance



Released National AI Policy Framework.
Hosted AI Government Summit to draft national AI policies.
Established pan-African AI research center at Wits University.
Advocated for ethical AI governance across Southern Africa



Introduced Federal Law Regulating AI for oversight.
Unveiled National AI Agenda 2024-2030.
Formed National Alliance on Artificial Intelligence (ANIA)
Proposed legislative efforts for AI governance frameworks.



Updated National AI Policy to enhance governance, ethics.
Proposed AI Regulation Bill with risk-based AI classification.



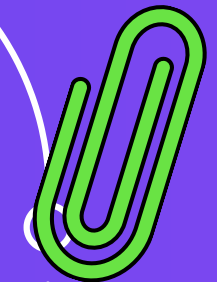
Launched "An AI Strategy for Sweden".
Partnered with Microsoft to train 250,000 individuals.
Report urged cohesive strategies to close AI gap.



Interim guidance issued for GenAI in public services.
Cabinet paper advocates light-touch AI regulation.



my fav DEVELOPMENTS



January

Google Cloud and Hugging Face partner to power Hugging Face services with Cloud's infrastructure

February

Cohesity introduces the first GenAI conversational search assistant for smarter business decisions.

March

Homeland Security introduces a GenAI strategy for national safety.

April

Cognizant and Microsoft teamed up to integrate GenAI in businesses.

August

The U.S. Defense Department set up Task Force Lima for ethical GenAI use.

July

NATO revised its AI strategy to address disinformation threats.

June

The G7 Summit supports Italy's AI Hub for Sustainable Development, established in collaboration with UNDP.

May

OpenAI launched GPT-4o, blending text, visuals, and audio like never before.

September

Council of Europe launches the first global AI treaty for signature, a milestone in AI governance.

October

Warner Bros. and Tesla face lawsuits over alleged AI-generated imitations—set the stage for legal battles in AI creativity.

November

AI WRAPPED BY
TECHLETTER
RELEASED!!

“

Time's 100 AI Influencers list is impressive, no doubt, but it's easy to focus only on CEOs and big-name companies.

Let's not overlook the people quietly pushing boundaries—researchers, policy experts, artists, and others making a real difference.

”

people to watch

Business / Product / Developer

- Noman Shah
- Carl Pei
- Dr. Sasha Luccioni
- Dr. Lance Cummings
- Linus Ekenstam
- Michael Spencer
- Benedict Evan
- Adam Biddlecombe
- Inci Abay Cansabuncu

- Allie K. Miller
- Jason Feifer
- Marc Benioff
- Azeem Azhar
- Mike Butcher
- Pete Huang
- Shea Brown
- Alex Banks
- Elif Çetin

Research / Academia / Strategy

- Merve Ayyüce Kızrak
- Usha Jagannathan
- Anton Tamarovich
- Sebastian Raschka
- Anjali Mazumder
- Aysu Dericioglu Egemen
- Lex Fridman

- Adam Leon Smith
- Ryan Carrier
- Sahar Mor
- Himanshu Joshi
- Risto Uuk
- Mehmet Haklıdır
- Zeynep Tufekci

me?

Art / Design

- Alexander Reben
- Refik Anadol
- Mario Klingemann

- Karen X. Cheng
- Merve Kurtulus

Ethics / Policy / Regulation

- Sophie Williams
- Ren Bin Lee Dixon

- Zafer Küçüksabanoglu
- Selin Ç. Kumkumoglu

- Michael Charles Borrelli
- Osman Gazi Güçlütürk
- C. Richard Abdolrahimi

- Dr. Shyam Krishna
- Marc Rotenberg
- James Chalmers

- Merve Hickok
- Amanda Horzyk
- Tjade Strobant
- Oliver Patel
- Julian Jacobs
- Zoi Roupakia
- Ted Lechterman

***“How many hours did
you spend with AI in
2024?”***

Thank you,

I've put this together to share some key highlights and numbers from my side—think of it as your *AI Wrapped for 2024*. (Because let's face it, my Spotify Wrapped won't be as exciting this year!)

For deeper dives and more insights, don't miss my weekly newsletter: [TechLetter](#)
:

