



AI Tech That Will Change the World



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Dilip Dubey

AI Pioneer, Entrepreneur and Investor

- AI Coach to leaders in mid-market, startups, Fortune 500 companies, and social impact organizations
- Founded, scaled & exited multiple AI companies with over \$ 500 m in shareholder value; Ventures include Med-AI, Aviation-AI, Manufacturing-AI, Education-AI, Supply-Chain AI, Foundational AI, Data AI and more
- Speaker, Thought Leader and Practitioner in AI-driven Transformation
- Hands on experience in AI driven value release in various sectors – retail, aviation, professional services, automotive, manufacturing, financial services, healthcare, hi-tech, software/SaaS, social impact, real estate, education, agriculture, and space
- Mentor & investor in over 22 AI companies | Limited Partner in 3 AI Funds
- Multiple AI Inventions and Patents
- EY Entrepreneur of the Year, Automotive Hall of Fame, Inc. 500, Crain's 100
- BE, MSE from the University of Michigan; Executive Education at Stanford GSB, Harvard Business School, INSEAD, and Singularity University

AI for Business

AI for Health

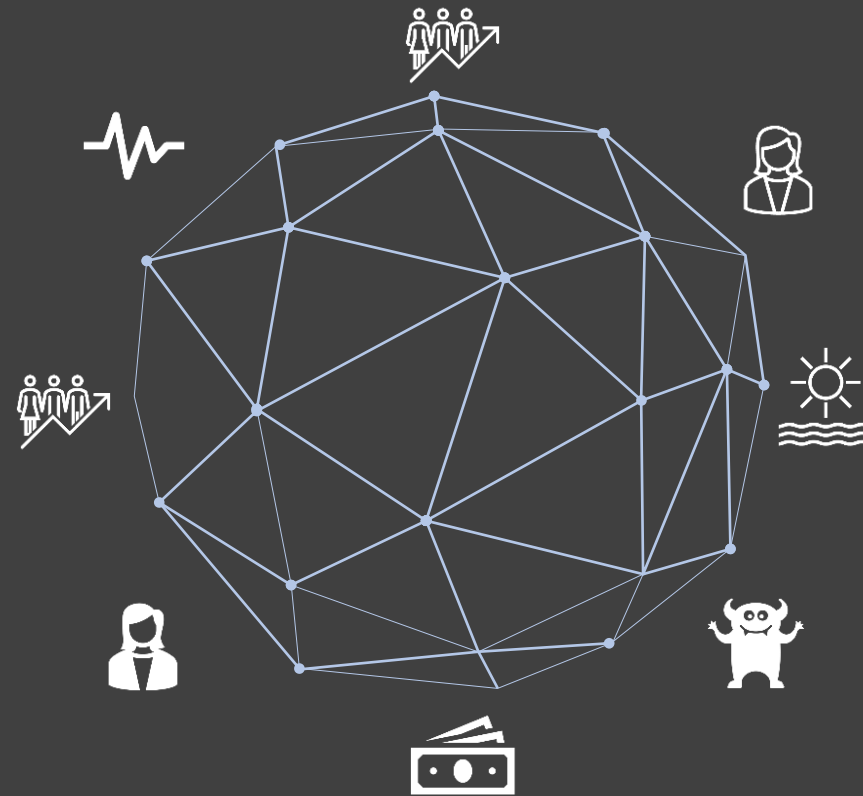
AI Learning &
Careers

Entrepreneurship
in an AI World

AI for Good

AI for You

AI's Scary Side



Investing in AI

Agenda

- AI: Tech that will Change Everything
- AI: The Good, The Bad and The Crazy
- Hands On AI
- Leveraging AI for Business
- Investing In an AI World
- Entrepreneurship in an AI World
- Learning and Careers in an AI World



What is AI? Why Should You Care? Why Now?

Electricity
Computers
Internet
AI

Changes Everything

Disrupting Tech

Crypto
AR/VR
Web 3.0
IoT
NFTs

....

*Dilip Dubey Definition: "Tech that Changes Everything" impacts global GDP by more than 10%

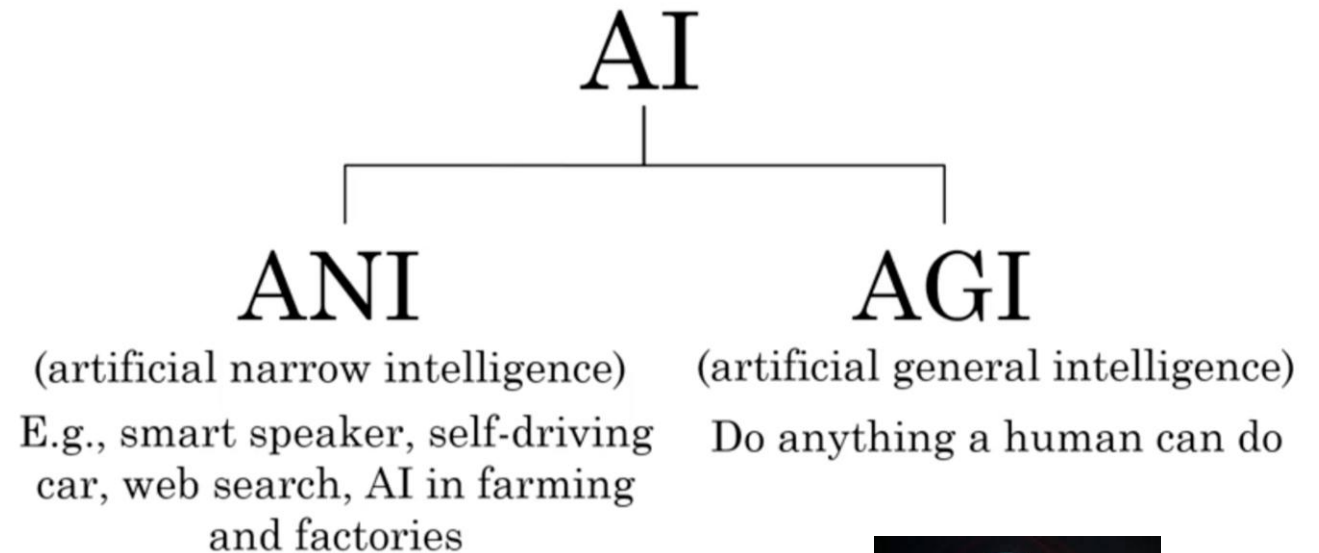
?

What is AI?

AI refers to the simulation of human intelligence in machines that are **programmed to think, learn, and perform tasks typically requiring human cognitive abilities.**

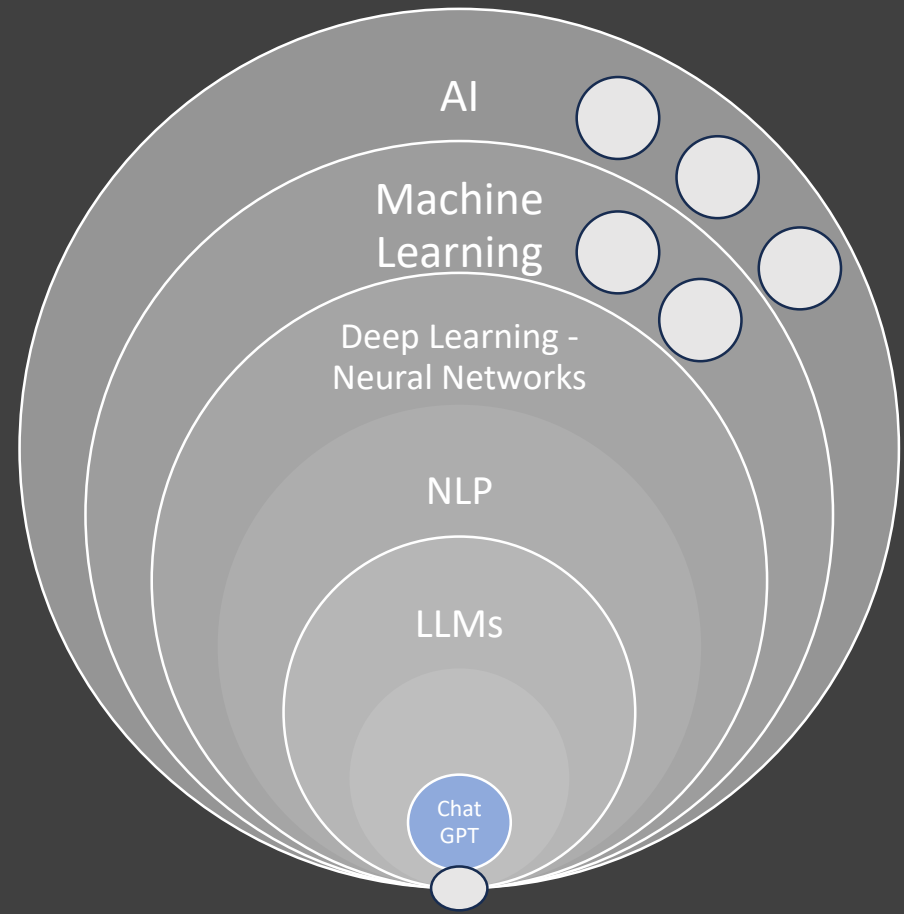
AI systems aim to replicate human decision-making processes, problem-solving, and learning capabilities to execute tasks efficiently and accurately.

It is primarily software



What is AI? Types of AI

- **Machine Learning (ML):** Machine Learning is a subset of AI that focuses on developing algorithms and models that allow machines to learn from data and improve their performance over time without explicit programming. ML techniques include supervised learning, unsupervised learning, and reinforcement learning.
- **Natural Language Processing (NLP):** NLP enables machines to understand, interpret, and generate human language. It encompasses tasks such as language translation, sentiment analysis, and chatbot interactions.
- **Computer Vision:** Computer Vision enables machines to interpret and understand visual information from images and videos. Applications include object recognition, facial recognition, and autonomous vehicles.
- **Robotics:** AI-powered robots are designed to perform physical tasks autonomously or with minimal human intervention. They find applications in industries like manufacturing, healthcare, and logistics.
- **Expert Systems:** Expert Systems are AI applications designed to mimic the decision-making abilities of human experts in specific domains. They are commonly used in fields such as healthcare, finance, and law.
- **Data Science:** Science of extracting knowledge and insights from data. Non-Software Outputs like decks or dashboards.



AI: Why should you care?

- Generative **AI** could add the equivalent of \$2.6 trillion to \$4.4 trillion annually to global economy (McKinsey).
- The Global AI Market is projected to reach \$733.7 billion by 2027, growing at a CAGR of 42.2% from 2020 to 2027 (source: Fortune Business Insights).
- S&P 500 AI index outperformed the S&P 500 by 40% over the past three years (source: Bloomberg).
- According to Accenture, AI adoption could increase labor productivity by up to 40% by 2035. **In my view it is an understatement.**

AI value creation
by 2030

**\$13
trillion**

[Source: McKinsey Global Institute.]

AI Impact on Jobs Worldwide

Jobs displaced
by 2030

400-800 mil

Jobs created
by 2030

555-890 mil

..but
need
different
skillsets

-
Lots of people
will need help
navigating the
new world

[Source: McKinsey Global Institute.]

About 6% of global workforce will be displaced
Total employed people in the world in 2022: 3.32 billion

+ Some businesses plan to reduce their teams by 80% in next 12 months

AI will eventually replace all forms of human labor. You can have a job if you want a job... but AI will be able to do everything.

Elon Musk

at Bletchley summit on AI

November 2023



...but the history does not support it

The
Extreme
View

AI: Why Now?

1. Breakthroughs in AI Research

- Innovations in AI research, such as transformer models like GPT-4, have unlocked new possibilities for natural language processing, computer vision, and other AI applications. ChatGPT 3, developed by OpenAI, contains 175 billion parameters and has achieved impressive language understanding capabilities. GPT-4 has 6 models of 720 billion parameters each!

2. Advancements in Computing Power

- AI algorithms require substantial computing power for complex tasks like deep learning. Recent advancements in GPUs (Graphics Processing Units) and TPUs (Tensor Processing Units) have made AI computation faster and more efficient.

3. Increased Data Availability

- The digital age has generated vast amounts of data, providing the fuel AI needs to learn and improve its capabilities. The proliferation of internet-connected devices, social media, and IoT sensors has created data-rich environments. By 2025, the global data sphere is projected to reach 175 zettabytes, growing from 33 zettabytes in 2018 (source: IDC).

4. **Cloud Computing and AI as a Service (AlaaS):** Cloud platforms provide scalable and cost-effective infrastructure to deploy AI applications. AlaaS offerings have made it easier for businesses to integrate AI into their operations without heavy upfront investments. The global AlaaS market is projected to reach \$24.8 billion by 2026, growing at a CAGR of 48.2% from 2021 to 2026 (source: MarketsandMarkets).

5. **Industry-Specific AI Solutions:** AI is now being tailored to meet the unique demands of various industries, driving adoption across sectors such as healthcare, finance, retail, and manufacturing. In healthcare, AI applications are projected to save up to \$150 billion annually by 2026 in the United States (source: Accenture).

6. **AI's Demonstrated Impact:** Successful AI implementations have shown tangible benefits, prompting more businesses to invest in AI-driven solutions. For example, AI-powered chatbots have reduced customer service costs by up to 30% for some companies (source: IBM).

7. **Supportive Regulatory Environment:** Governments and regulatory bodies worldwide are recognizing the importance of AI and fostering supportive policies and funding initiatives to encourage AI research and development.



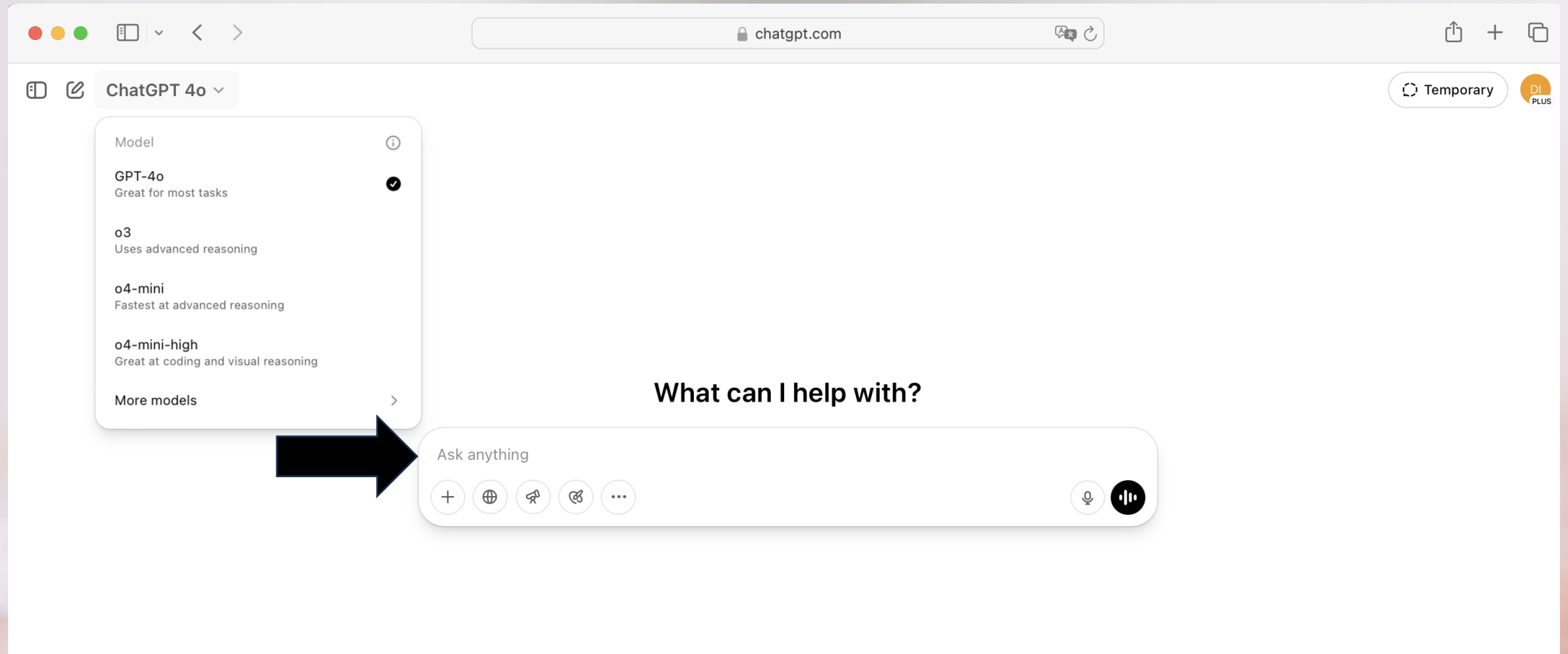
The convergence of these factors has created a perfect storm for AI, driving its booming growth and solidifying its position as a **transformative technology that will change everything across industries**

Hands-on AI

ChatGPT

Sign up

Hands-on AI | ChatGPT



Prompt = Question that you type into ChatGPT

How does ChatGPT work?

Probability of the next word based on millions of previous documents and some training
(reinforcement learning)

It predicts text -- including the next word, sentence or paragraph -- based on its training data.

EXAMPLES

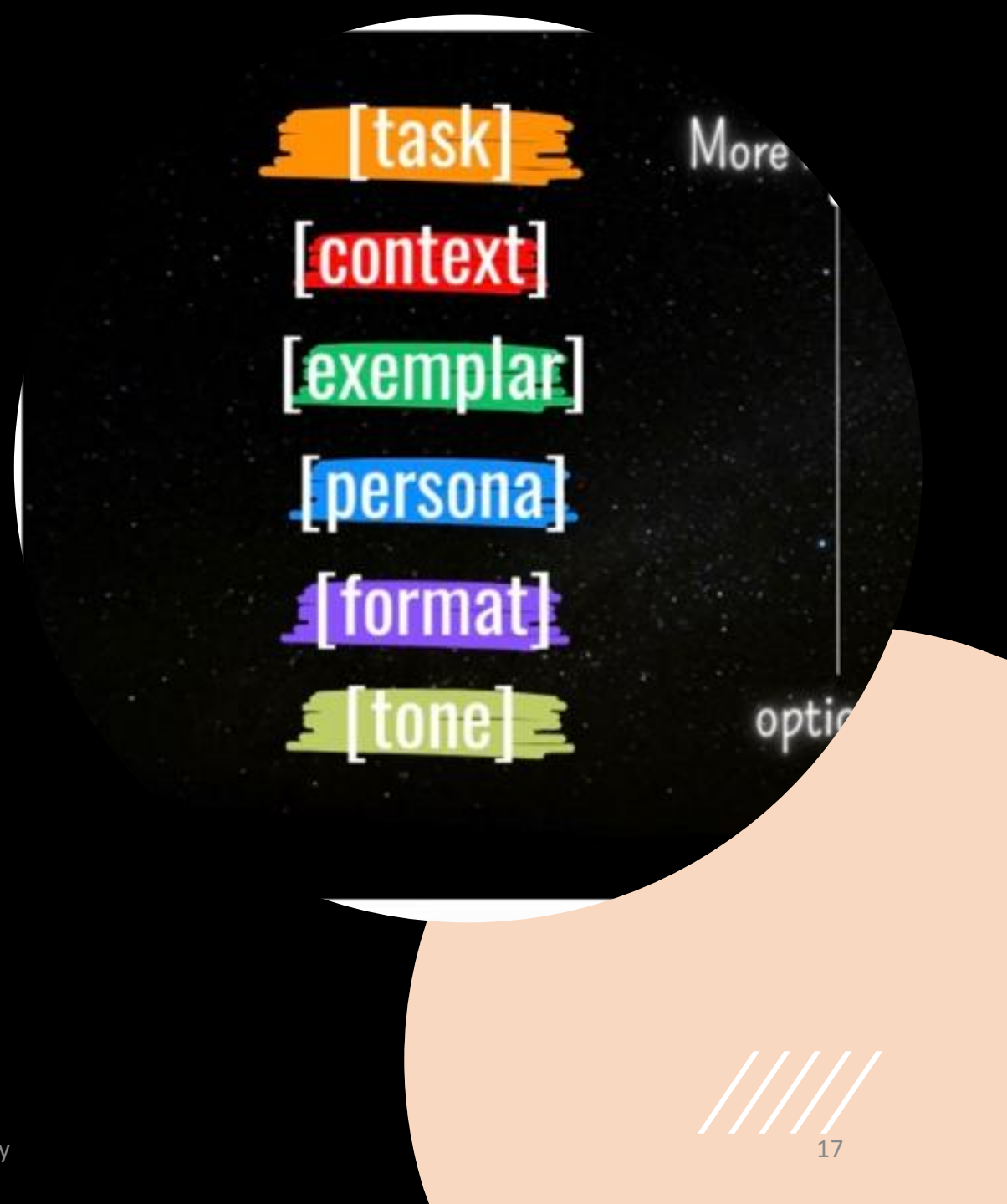
2 x 2 =

Give me an incorrect answer to 2 x 2 =



ChatGPT 101 | PROMPT

- Longer prompts are better. The more knowledgeable you are ... better the results. 4000 > 3000 tokens (words) ... The more the better.
- If you don't tell ChatGPT specifically, it will BS its way through it (it won't say it does not know)
- It costs exponentially more to use ChatGPT than Google
- It takes exponentially more capital to build a foundational AI model



[task]
[context]
[exemplar]
[persona]
[format]
[tone]

Hands-on AI

ChatGPT, Leonardo, SongR

...

Personal Use & Creativity

1

Hands-on AI: Media & Creativity



ChatGPT.com

Prompt to generate lyrics

LinkedIn Profile
Copy and Paste



SongR.ai

Prompt to generate
music for the lyrics



Lenardo.ai

Prompt to generate 3D
image from lyrics



Runway Gen2

Prompt to generate 16 s
video from 3D image



Canva

Generate full video song
by combining 'song' and
'video'

https://www.canva.com/design/DAFvptBCh1o/EbjltLjrjlqrtgg6sYOcQ/watch?utm_content=DAFvptBCh1o&utm_campaign=share_your_design&utm_medium=link&utm_source=shareyourdesignpanel

Top Floor dinner party with
speaker presenting for business
leaders. full of windows showing
downtown skyline views all
around. traditional decoration of
an olde style building

ChatGPT (Title)
(Verse 1)
From the heart of Detroit, she rose,
In the city of rhythm, where the
river flows,
Crafting posts, making the media
glow,
Ria Dubey, she's running the show.
(Hook)
In the city lights, she's shining so
bright,
Inventing the future, she's taking
her flight,
From Detroit to NYC, she's the key,
Ria Dubey, she's making history.



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<https://www.midjourney.com/home/>

Midjourney | Expert

DALL·E 2 | Dilip

<https://openai.com/dall-e-2>



May 2025



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Hands-on AI: Media & Creativity`



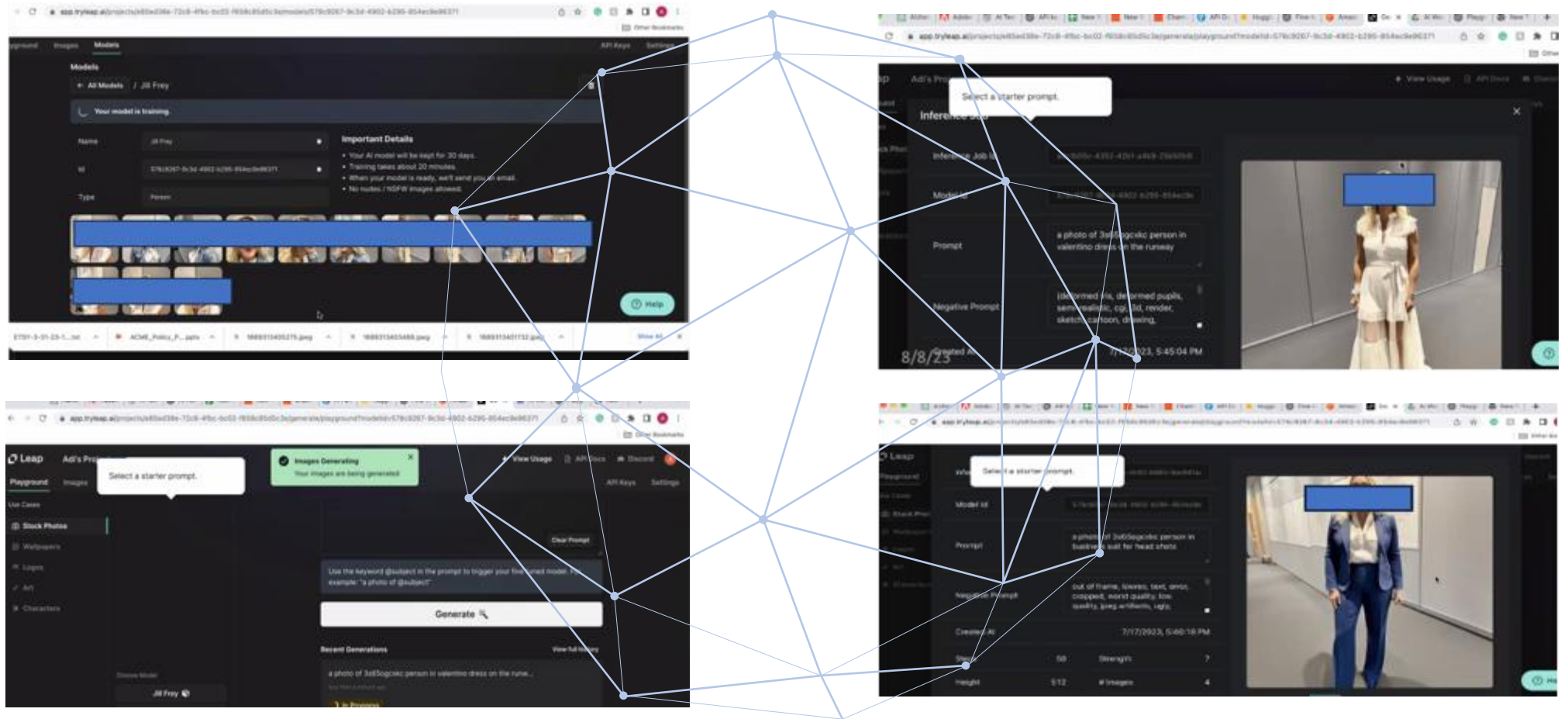
Marvel Superheroes
are fighting in
the sky over a
cowboy town



Visual Cloning

TryLeap.AI

- Train on your pictures
- Upload 30 pictures
- \$ 3 for training and \$.01 for use



Voice Cloning



AI for You: Personal Development & Fun



Music & Movies

>make your own

[ChatGPT.openai.com](https://chatgpt.com)

<https://aitestkitchen.withgoogle.com>

<https://tryleap.ai> (Visual Cloning)

<https://elevenlabs.io> (Voice Cloning)

<https://wonderdynamics.com> (Video to animation)

<https://www.opus.pro>



Learning/Exploring

>age-based precision learning

[ChatGPT.openai.com](https://chatgpt.com)

I want to learn this subject. Teach me as if I was 10-year old and then as if I was 15-year old and so on.

It can help you with writing prompts

Travel planning



Paintings/Art

>photoshoots

[www.Leonardo.ai](https://www.leonardo.ai)

<https://www.midjourney.com/home/>

<https://openai.com/dall-e-2>

<https://stablediffusionweb.com/>

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The Good

AI for Good

- Environmental Impact
- Education
- Improving Health
- Improving Healthcare
- Disease Prediction, Management, and Cure
-so much more





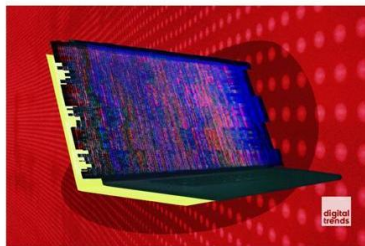
The Bad AI's Scary Side

- Fraud
- Politics: FreedomGPT
<https://freedomgpt.com/live>
(Caution Please)
- Destruction
 - AI gone wrong
 - AI-Enabled Terrorism
 - The Unintentional Catastrophist
- Economy & Job Loss
- Bias and Ethics
- more

May 2025

COMPUTING NEWS

AI can now steal your
passwords with almost
100% accuracy



827 likes

digitaltrends The researchers accomplished this by training an AI model on the sound of keystrokes and deploying it on a nearby phone. The integrated microphone listened for keystrokes on a MacBook Pro and was able to reproduce them with 95% accuracy — the highest accuracy the researchers have seen without the use of a large language model.

The team also tested accuracy during a Zoom call, in which the keystrokes were recorded with the laptop's microphone during a meeting. In this test, the AI was 93% accurate in reproducing the keystrokes. In Skype, the model was 91.7% accurate.

#ai #artificialintelligence #cybersecurity

WIRED

SUBSCRIBE

MATT BURGESS

SECURITY AUG 7, 2023 7:00 AM

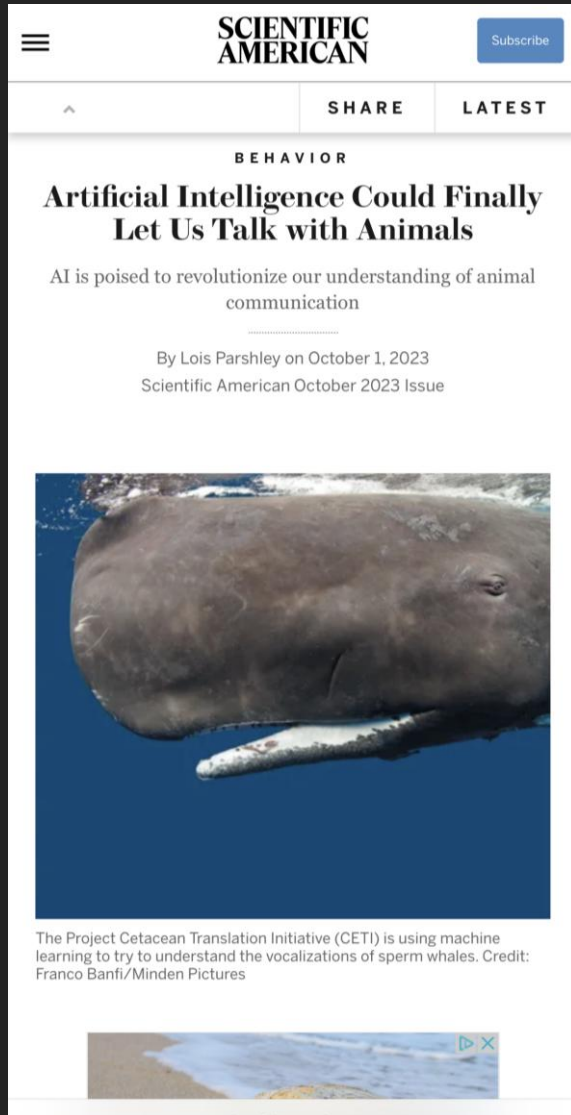
Criminals Have Created Their Own ChatGPT Clones

Cybercriminals are touting large language models that could help them with phishing or creating malware. But the AI chatbots could just be their own kind of scam.

I Cloned Myself With AI.
She Fooled My Bank and My
Family.



In 2023, WSJ columnist Joanna Stern cloned herself with AI voice and video in an attempt to fool her family and trick her bank— and it worked. She describes the preparation, experience and aftermath of the whole process to understand how humanlike tech can be.



The Crazy

AI's Crazy Possibilities



AI in Health

AI's biggest impact will be felt in healthcare

Your Wellness

Patient Empowerment

Patient Diagnostics

Disease Prediction

Mental Health

New Treatment
Discovery

Medical Records

Robotic Surgery

Drug Discovery

Artificial Organs

Remote Patient
Monitoring

Healthcare
Optimization





Doctors can be replaced by software (AI) – 80% of them can. I'd much rather have a good machine learning system diagnose my disease than the median or average doctor.
-Vinod Khosla

„A.I. will not replace medical professionals. However, those medical professionals that use A.I. will replace those that don't.”

Dr. Bertalan Meskó —————

7 Key Trends of an AI World

1 AI is Creating Massive Job Shifts

AI may lead to the loss of 400–800 million jobs, but it will also create even more job opportunities.

Insights

AI might replace some roles, but people who know how to leverage AI will certainly replace those who don't.

Learn AI today! →

2 Generative AI Is Pervading Everything

GenAI is maturing rapidly and will continue to shape how we work and innovate. Transforming personal and organizational creativity and productivity.

Insights

Without leveraging GenAI, you will not be able to do any function or task efficiently in the near future. Good news is that you don't need to 'build' AI but learn to 'use' AI.

Don't be left behind! →

3 AI's biggest Impact will be in Healthcare

Revolutionizing patient care, diagnostics, and research.

Insights

Expect better healthcare outcomes and more affordable solutions becoming available soon. Keep yourself updated on new healthcare options!

Stay updated! →

4 We are already dependent on Vision AI

Beyond driverless cars and facial recognition, Vision AI is advancing fields like medical imaging, precision agriculture, and robotics, unlocking new possibilities for automation and problem-solving.

Insights

Vision AI is here to stay.

Be ready to accept it! →

5 AI-led Innovation is becoming a Real Possibility

Traditionally humans did the thinking and AI helped implement it efficiently. AI is now able to find opportunities and innovate by itself. In many complex cases, it can see opportunities where humans cannot.

Insights

Acting as a catalyst for transformative ideas, AI can identify opportunities humans may miss, paving the way for groundbreaking solutions.

Take advantage of it! →

6 AI Risks are Real and Getting More Alarming

While AI presents incredible benefits, it also poses threats like increased fraud, hacking, carryover bias, and cybersecurity risks. These risks are becoming even more dangerous with state-actors driving it.

Insights

Addressing these challenges ethically and proactively—while ensuring regulatory oversight—is essential. While governments and organizations are trying to solve and govern this risk, it will take time.

Be vigilant! →

7 There is tremendous momentum in using AI for Good

From enhancing social equity to addressing sustainability challenges, AI for Good is making a tangible positive impact on our world.

Insights

AI is driving solutions for some of humanity's biggest issues. These efforts can solve problems that were considered unsolvable before. AI can help us make the planet and society better for all.

Get involved! →

“The future is already here,
it’s just not evenly distributed.”

~ William Gibson

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