



Enginyers
Industrials de Catalunya

IA en acció
oportunitat o promesa exagerada?

Per què ARA

**Per què tothom parla de
la IA?**



disrupció

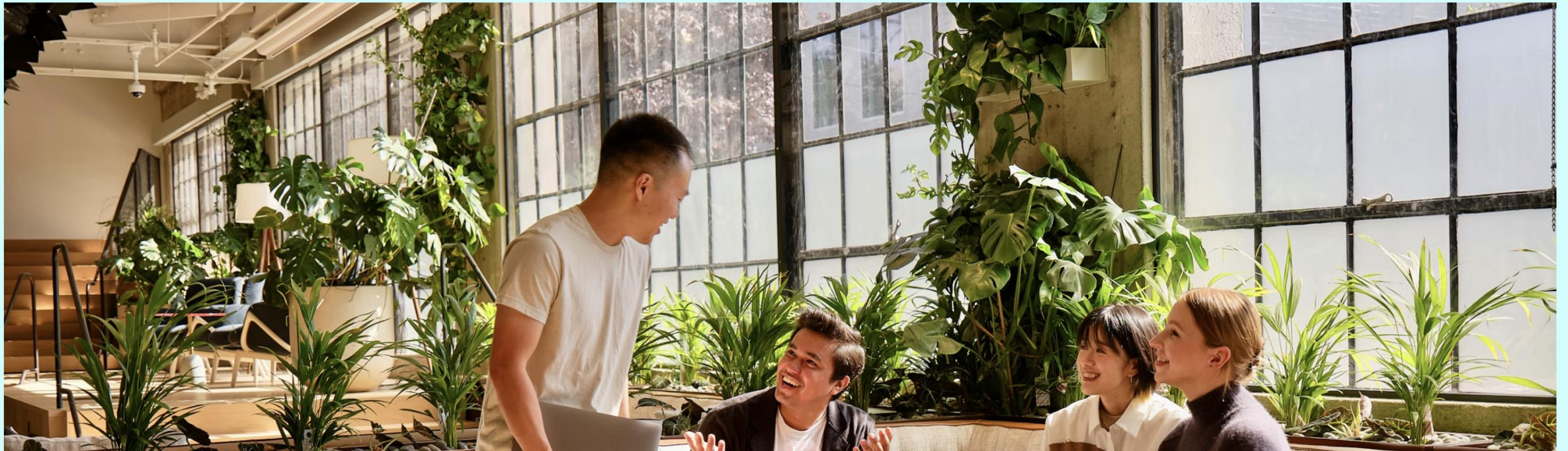


[Research](#) ▾ [Product](#) ▾ [Developers](#) ▾ [Safety](#) [Company](#) ▾

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About

OpenAI is an AI research and deployment company. Our mission is to ensure that artificial general intelligence benefits all of humanity.



adopció



OpenAI

Follow

OpenAI is an AI research laboratory.

#ai-models #ai

REVENUE

\$3.40B

2024

VALUATION

\$86.00B

2024

GROWTH RATE (Y/Y)

580%

2024

FUNDING

\$13.30B

2024

Usuaris (de pagament)

200M (11,0M)

Octubre 2024

Valoració

\$150,0B

Ronda actual

Ingressos (est)

\$11,6B

2025



líder

The image shows the logos for OpenAI and Microsoft. On the left is the OpenAI logo, a white knot-like symbol. To its right is the Microsoft logo, a four-colored square (orange, green, blue, yellow). To the right of the Microsoft logo is the word "Microsoft" in white. The background is dark blue with a pattern of white dots and lines radiating from the center.

OpenAI Microsoft



Copilot

Your everyday AI companion

Líder

INICIO > MSFT · NASDAQ

Microsoft

428,02 \$ ↑ 36,47 % +114,38 1 año

Después del cierre: **427,38 \$** (↓ 0,15 %) -0,64

Cerrados: 27 sept, 19:56:02 UTC-4 · USD · NASDAQ · Renuncia de responsabilidad

1 día 5 D 1 mes 6 M YTD 1 año 5 años MÁX.



Acción

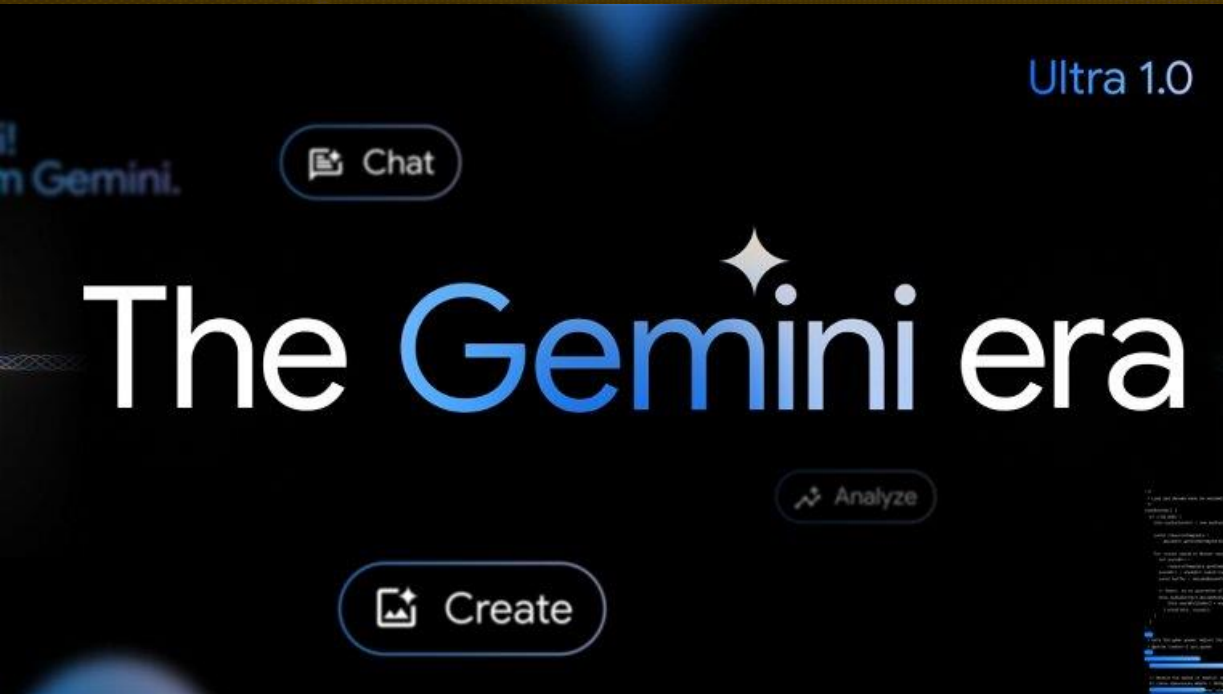
Líder en prácticas sostenibles

Valor cotizado en EE. UU.

Sede en EE. UU.

CIERRE ANTERIOR	431,31 \$
INTERVALO DIARIO	427,47 \$ - 431,85 \$
INTERVALO ANUAL	309,45 \$ - 468,35 \$
CAP. BURSÁTIL	3,18 B USD
VOLUMEN MEDIO	18,57 M
RELACIÓN PRECIO-BENEFICIO	36,27
RENTABILIDAD POR DIVIDENDO	0,78 %

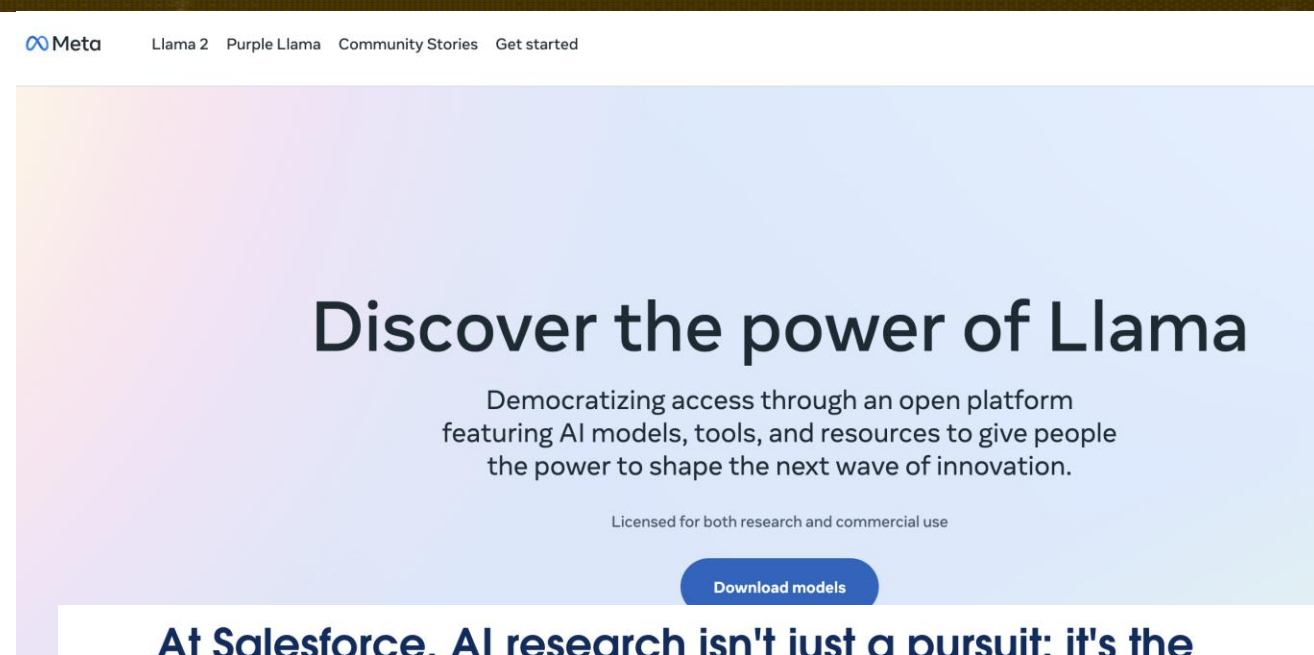
els incumbents



[Inteligencia artificial](#) › [IA generativa](#)

Transforme su negocio gracias a la IA generativa

Aumente la productividad, cree experiencias diferenciadas e innove más rápido con AWS



At Salesforce, AI research isn't just a pursuit; it's the heartbeat that propels our products to new heights, driving innovation and shaping the future of technology.



la festa

CONTENT CREATION - TEXT

Writing & Content Editor

General Writing: wordtune, Linguix

Academic & Professional Writing: genei

Story Creator: koolah, hidden door

Song Lyrics Creator: Rytr

CONTENT CREATION - AUDIO/VIDEO

Content Editor: vidyo.ai, penci, lumen5, VEED.IO

Filmmaking: FERMAT

Audio Editing: Cleanvoice, krisp, descript, Vocal Clarity

Audio & Music Editor: moises

Image to Video: VEED.IO

Avatars & Video Creator: inworld, Colossyan, iaiitude, soul.fi, FRODOCHAINS, REARSON

Music & Soundtracks Generator: beatoven.ai, Mubert, Harmonai

Dubbing: PAPERCUP, Dübverse

Subtitles: synthesia

Text to Video: Baschio, PICTORY, Maria, Steve AI

Text to Speech / Speech to Text: SONANTIC, MURFAI, WELLSMD, Listnr, REPLICAI, COQUI

Voice Cloning: RESEMBLE.AI

Personalised Content: Maverick, Rephrase.ai, tavus

DATA CURATION, MARKETING, INTERNAL EFFICIENCY

AI development tools

AI chips & processors Salience Labs, XANADU	Synthetic data hazy, MOSTLY.AI	NLP annotation Argilla	Computer vision visualization rerun.io	Federated learning platforms APHERIS, Dynamoli	Version control & experiment tracking Weights & Biases
Vector database tech LangChain, Weaviate, zilliz	ML development & deployment Lightning, mindsdb, mosaicml, iFReplicate	Model validation & monitoring arize, LatticeFlow, WHYLABS	AI auditing & governance credo.ai, Holistic AI	Foundational models & APIs AI21 Labs, cohere, combustion.ai, Hugging Face, OpenAI	

Cross-industry applications

Synthetic voice ElevenLabs	Image & text generation Jasper, Midjourney, RELEVANCE AI	Privacy & security HIDDENLATER, Opaque	Code generation diffblue, replit, warp	Sales & customer support AssemblyAI, PolyAI	AI assistants & HMI's A DEPT, Inflection, Anthropic Wispr
Emotion analytics hume	Productivity tools mem	Warehouse & logistics covariant	Content moderation Logically, unitary	Smell tech OSMO	Translation DeepL
General-purpose humanoids FIGURE, SANCTUARY.AI	Image processing MetaSpectral, VISIONARY.AI	Search Perplexity, Twelve Labs, vectara, YOU	Design tools Galileo AI, Poly	Climate tech muir.ai	Quantum AI software SANDBOXER

Industry-specific

Materials & manufacturing Cradle, MakinaRocks	Gaming convai, MODULATE	Fashion & retail refiberd, seel	Energy phaidra, WeaveGrid	Healthcare QEMIA, Atomic AI, ATROPHHEALTH, GenerateBioRocks, navina, GENIE MEDICAL, turbine, XtaiPI
Defense VANNEVAR Labs	Finance arteria, Boosted.ai	Agriculture BREWERY, VERDANT ROBOTICS	Physical infrastructure exodiglo	
Education ello	Media & entertainment characterai, descript, M, runway, wonder	Legal Harvey	Auto & mobility helm.ai, PHANTOM AI	Construction Augmenta

Note: Companies are private as of 6/20/23.

CBINSIGHTS

COMMUNICATION

Presentation Maker: beautiful.ai

Brand Kit Creator: beautiful.ai

Web & App Designs: uizard

Patterns Creator: PatternedAI

Blog, Social Media: copy.ai, letter

Ecommerce Pro: CopyMonkey

Digital Channels C: copy.ai

100 STARTUPS USING ARTIFICIAL INTELLIGENCE TO TRANSFORM INDUSTRIES

CONVERSATIONAL AI/ BOTS: MindMeld, Maluuba, AUTOMAT, KITTAI, snips, clara

VISION: clarifai, Cronocom, Orbital Insight, pilo.ai, Captricity, GROKSTYLE

AUTO: nuTonomy, drive.ai, AMOTIVE, nexoar, ZEXX

ROBOTICS: UBTECH, an-i, Rokid, dispatch

CYBERSECURITY: CYLANCE, sift science, sparkcognition, despinstruct, Shift Technology, DARKTRACE

AD, SALES, CRM: TalkIQ, deep gram, PERSADO, Uppir, CHORUS, drawbridge, DigitalGenius, RESCI

HEALTHCARE: freeName, CLOUD MEDX, zebro, enlinc, twoAR, BenevolentAI, Atomwise, deep genomics, DOOVLON

FINTECH & INSURANCE: CAPE, KENSHC, NUMERAI, alphasense, Kasisto

OTHER: GIGSTER, prospera, Citrine, BLUEVERVER, R-SS, zmyergen, Descartes Labs, gradescope, talla

INDUSTRY: SERKET, Gradient, Connecterra, BRAINCREATORS, Virroteq, AIM, AI IN MOTION, VisionLabs, XOSIGHT

HARDWARE: FIZYR, TRAD, TYX, GAL, loop robots

MARKETING & SALES: symson, visualfabriq, Textmetrics, Zoi Meet, WeGain

INTELLIGENCE & ANALYTICS: blueltick, DASHMOTE, clappform, PURPLE GAZE, MEDIA DISTILLERY, Tur.ai, wizenoze, Birds.ai, SCISPRTS, orbisk

SAFETY & SECURITY: PANDORA, sensity, LABELFUS, Oddity.ai, plexsonar, zoface

SMART CITIES & SUSTAINABILITY: Spotr.ai, overstory, accurate, DEXTER, sobolt, MAVISOFT, CamenAI, KAIOS.AI, jungle, COPO2.ai, PLAN@LOGIC, GEOPHY

HR & RECRUITMENT: bynd.ai, transPira

EQUALTURE: seedlink, Test Gorilla, Neurolytics, textkernel, taem.io, worksuite, ROBIN

AI 100

THE INNOVATION SUMMIT

CBINSIGHTS

Created by Remy Cieling for ai.nl in collaboration with Endeit Capital. Feel free to share. Questions, praise or your company added? Please mail to remy@ai.nl

ai.nl endeit

sorpresa

INICIO > NVDA · NASDAQ

Nvidia

+ Seguir

Compartir

121,35 \$ ↑178,97 % +77,85 1 año

Después del cierre: **120,56 \$** (↓0,65 %) -0,79

Cerrados: 27 sept, 19:59:59 UTC-4 · USD · NASDAQ · Renuncia de responsabilidad

1 día 5 D 1 mes 6 M YTD 1 año 5 años MÁX.



Acción Valor cotizado en EE. UU.
Sede en EE. UU.

CIERRE ANTERIOR	124,04 \$
INTERVALO DIARIO	119,26 \$ - 124,03 \$
INTERVALO ANUAL	39,23 \$ - 140,76 \$
CAP. BURSÁTIL	2,98 B USD
VOLUMEN MEDIO	328,03 M
RELACIÓN PRECIO-BENEFICIO	57,00
RENTABILIDAD POR DIVIDENDO	0,03 %



PERÒ ... Què es la IA?

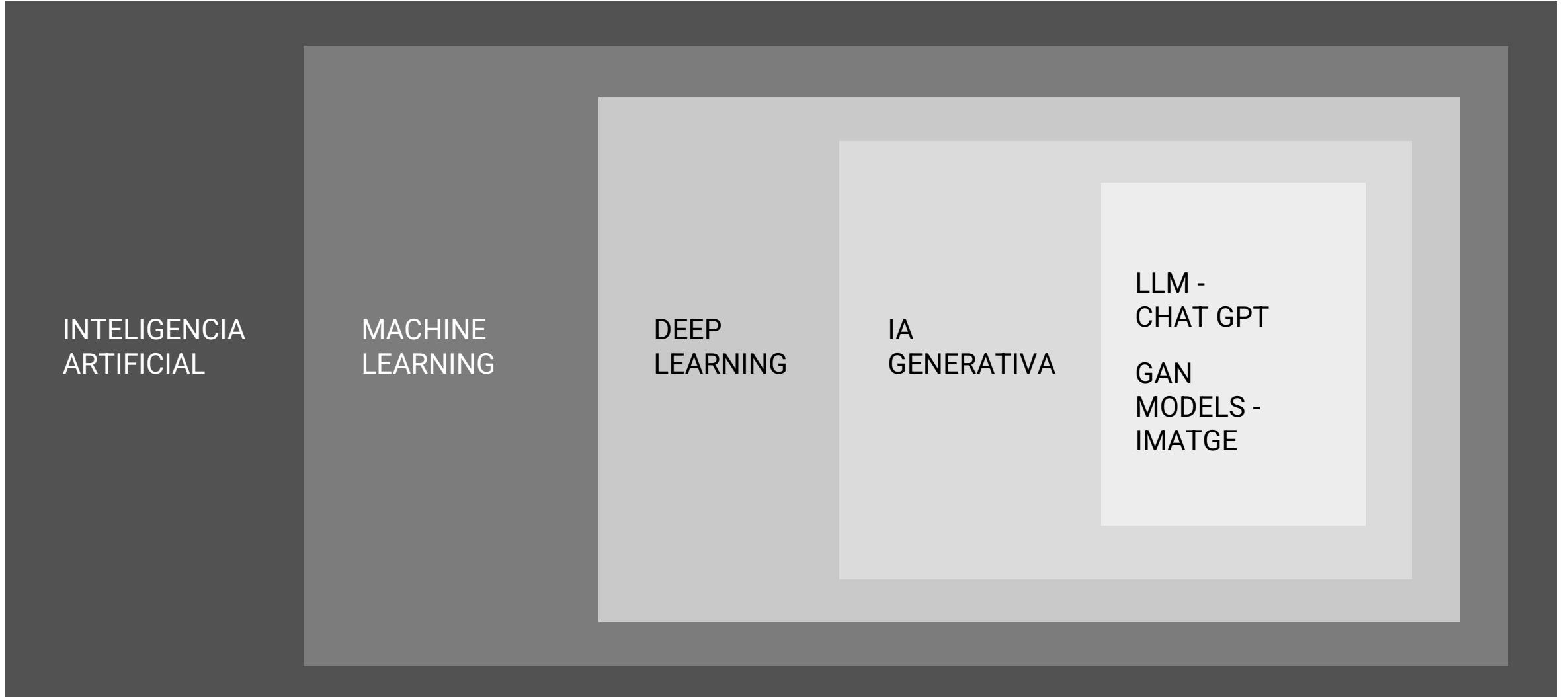
CARACTERÍSTIQUES

PROMPT: Una imatge realista de Sir Isaac Newton descobrint la gravetat.

TOOL: Midjourney

El procés pel qual una màquina imita les funcions cognitives dels humans, és a dir, resol els problemes d'una manera intel·ligent.

intel·ligència artificial



INTELIGENCIA
ARTIFICIAL

MACHINE
LEARNING

DEEP
LEARNING

IA
GENERATIVA

LLM -
CHAT GPT

GAN
MODELS -
IMATGE

inteligencia artificial

PRIMEROS PASOS

ISAAC ASIMOV_
Leyes de la robótica



ARTHUR SAMUEL_
Primer algoritmo capaz de aprender (damas)



JOHN McCARTHY_
Nace el termino AI

KONRAD KUZE_
Z3. Primera computadora programable



1936

1941

1950

1952

1957

1975

1980

1997

2012

2015

2014

2017

2021

ALAN TURING_
Concepto de Algoritmo



ALAN TURING_
creación del test de Turing



FRANK ROSENBLAT_
diseña la primera Red neuronal



GEOFFREY HINTON
Pone foco en el desarrollo de redes neuronales profundas (Back propagation)



DENDRAL
Primer sistema experto usado por propósitos reales

ENFOQUE LÓGICO (TOP - DOWN)

ENFOQUE BIOLÓGICO (BOTTOM - UP)

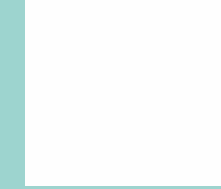
SISTEMAS EXPERTOS



Deep Blue_ Vence a Gary Kasparov



EUGENE GOOSTMAN_
El bot supera el test de Turing

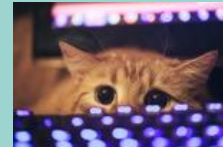


MODELO TRANSFORMER_
Cambia la manera de interpretar textos

DEEP LEARNING



ANDREW NG_
alimenta una Red neuronal con 10M de videos de Youtube. El modelo aprende a reconocer un gato si que le enseñen lo que es un gato



ALPHA GO_ la primera maquina que gana a un jugador profesional de GO (el campeón del mundo)



CHAT GPT-3_

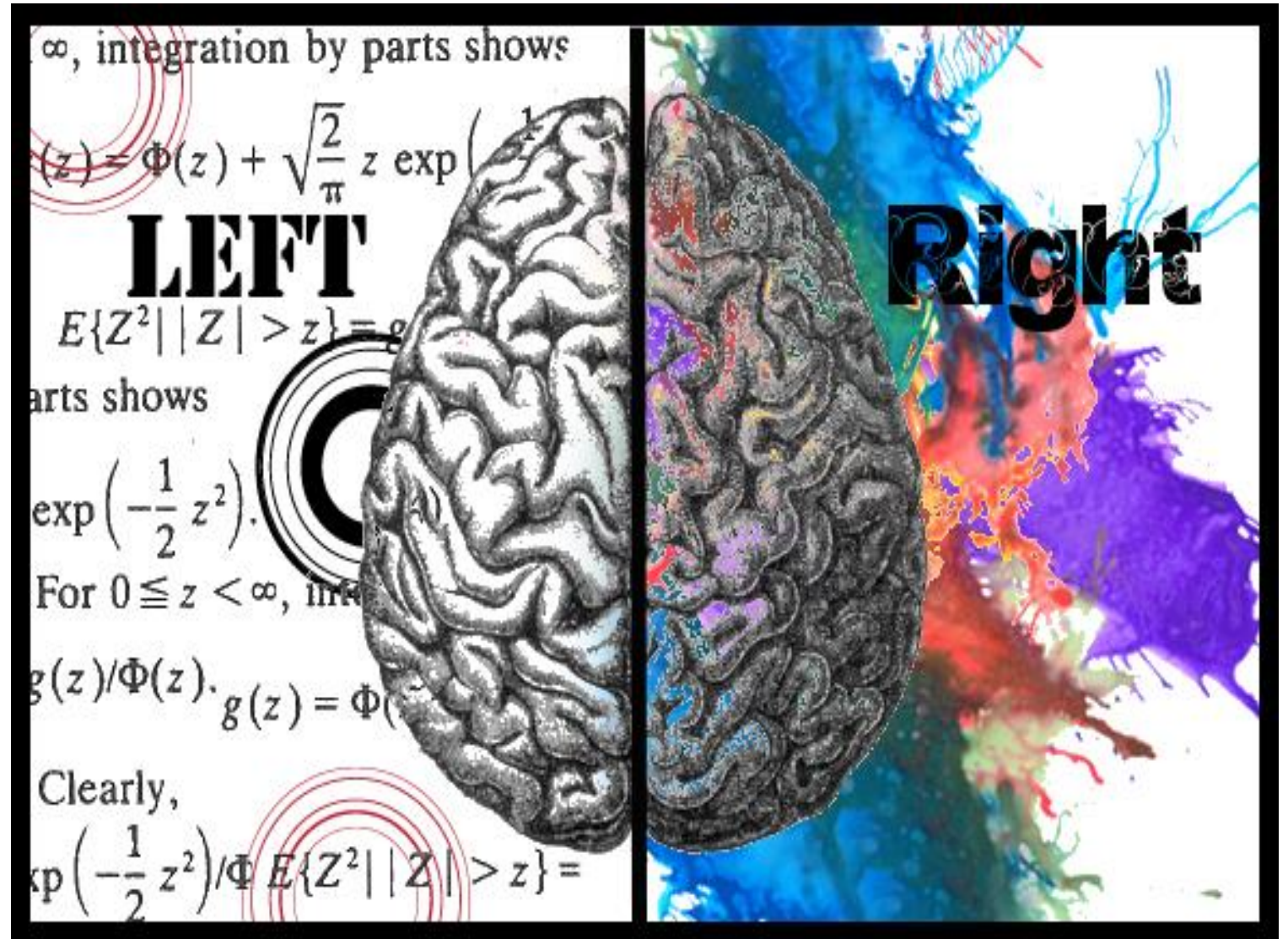
¿Qué plataformas y tecnologías han alcanzado 1 millón de usuarios en menos tiempo?



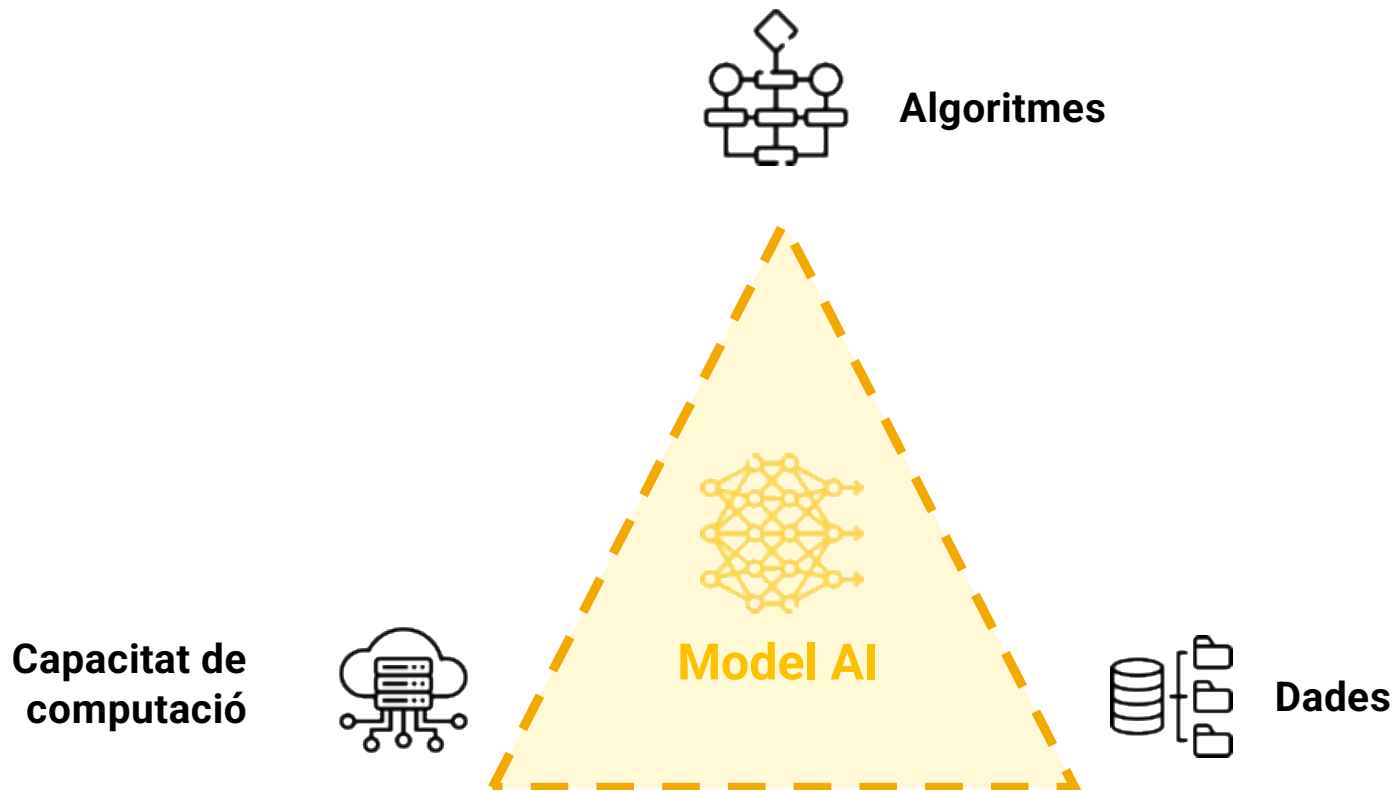
intel·ligència artificial

El primer pas per entendre el moment actual de la IA és que ens ofereix respostes “intuïtives”.

La intuïció és la generació d'un acte, decisió o conclusió basada en l'experiència. En el cas de la IA, la intuïció està fonamentada en càlculs probabilístics.



intel·ligència artificial



“El primer Marenostrom (2004) cabria en una de las targetes Nvidia que usem actualment”

Josep Maria Martorell
BCN Supercomputing Centre Director

intel·ligència artificial

COMPUTER VISION

IMAGE SKILLS



IMAGE CLASIFICACION



FACIAL RECOGNITION



IMAGE SEGMENTATION



OBJECT DETECTION



IMAGE GENERATION

VIDEO SKILLS



DEEP FAKE DETECTION



ACTIVITY RECONIGNTION



VIDEO GENERATION

LANGUAGE

LANGUAJE SKILLS

LANGUAGE UNDERSTANDING

TEXT SUMARITZATION

NATURAL LANGUAGE INFERENCE

SENTIMENT ANALYSIS

MULTITASK LANGUAGE UNDERSTANDING

MACHINE TRANSLATION

LANGUAJE GENERATION

MULTIMODAL

VISUAL REASONING
COMMONSENSE

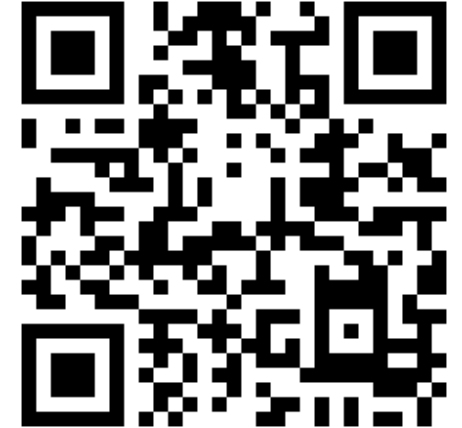
MULTITASK LANGUAGE
UNDERSTANDING

REINFORCED LEARNING

REINFORCED LEARNING

SPEECH

SPEECH RECOGNITION



[Stanford AI Trend Report](#)

TRADITIONAL MACHINE
LEARNING

GENERATIVE AI



Què podem fer?

OPORTUNITATS

AIRISS

SIOTA

EXPANSIÓ DEL CONEIXEMENT

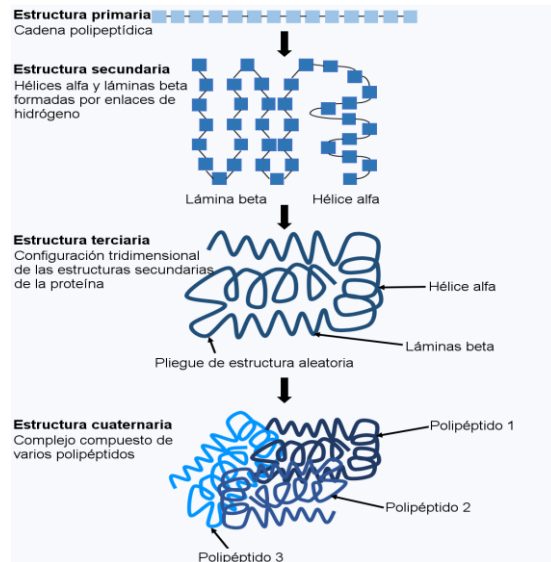
A complex network of blue and orange lines forming a brain-like shape, symbolizing knowledge expansion. The lines are dense and interconnected, with a central hub and many branching paths. The background is dark with some light speckles.

resoldre problemes utilitzant dades de forma massiva

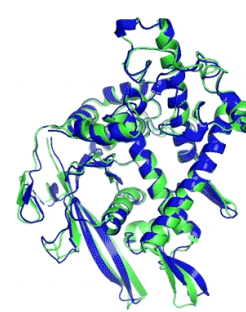
AlphaFold (2022): Disrupció de la Biologia



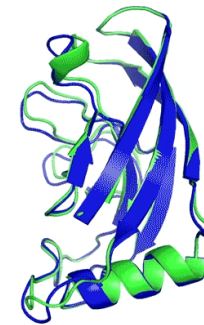
[Video youtube](#)



AlphaFold 2 està solucionant el problema de com es pleguen les proteïnes

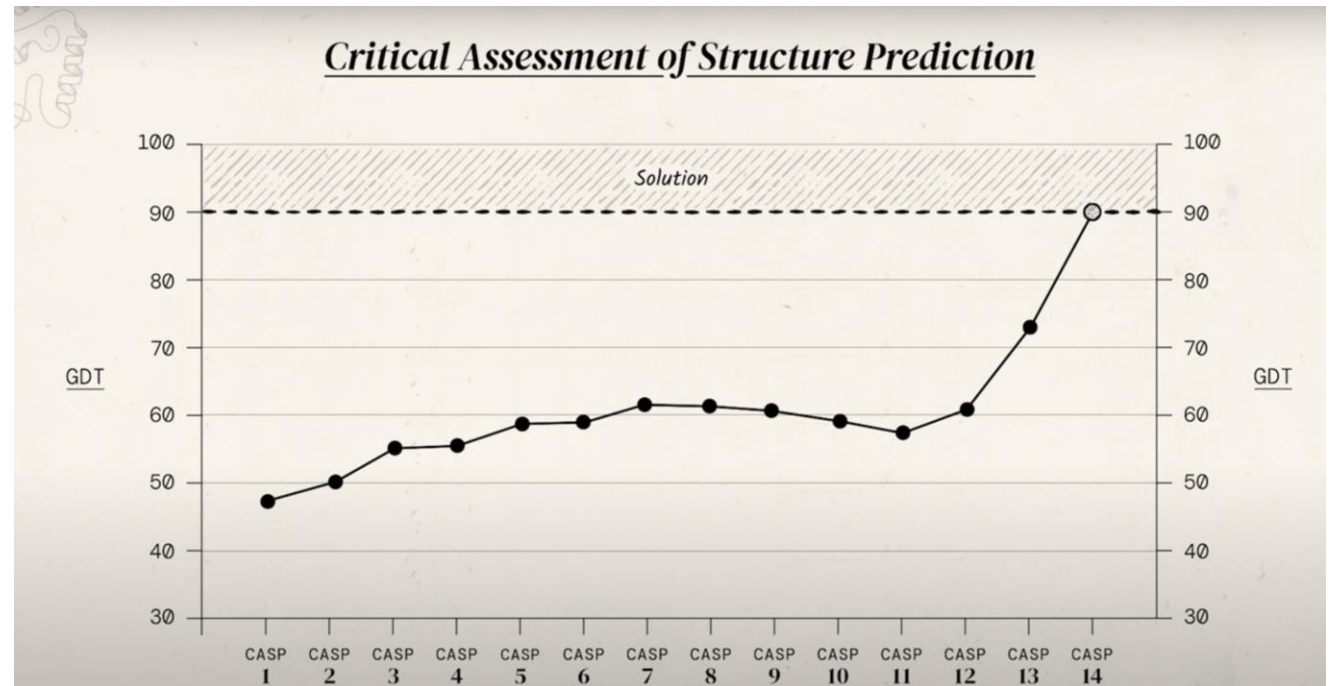


T1037 / 6vr4
90.7 GDT
(RNA polymerase domain)



T1049 / 6y4f
93.3 GDT
(adhesin tip)

● Experimental result
● Computational prediction



A woman with dark hair and glasses is shown in profile, looking towards the left. She is wearing glasses with a reflection of a digital interface. The background is a blurred digital environment with glowing blue and orange lines and bokeh lights. The text "CONVERSAR AMB LES DADES" is overlaid in the center in white, bold, uppercase letters.

CONVERSAR AMB LES DADES

entendre i parlar amb el client

The future of work is CRM + AI + Data + Trust.

This infographic is divided into two main sections: 'Public Data & Models' and 'Private Data & Models'. A cartoon character of Albert Einstein stands in the center, holding a blue oval with the word 'Einstein' written on it. The background is light blue with stylized clouds and green foliage at the bottom.

- Public Data & Models:**
 - OpenAI
 - ANTHROPIC
 - co:here
- Private Data & Models:**
 - salesforce AI Research
 - Customer 360
 - Data Cloud

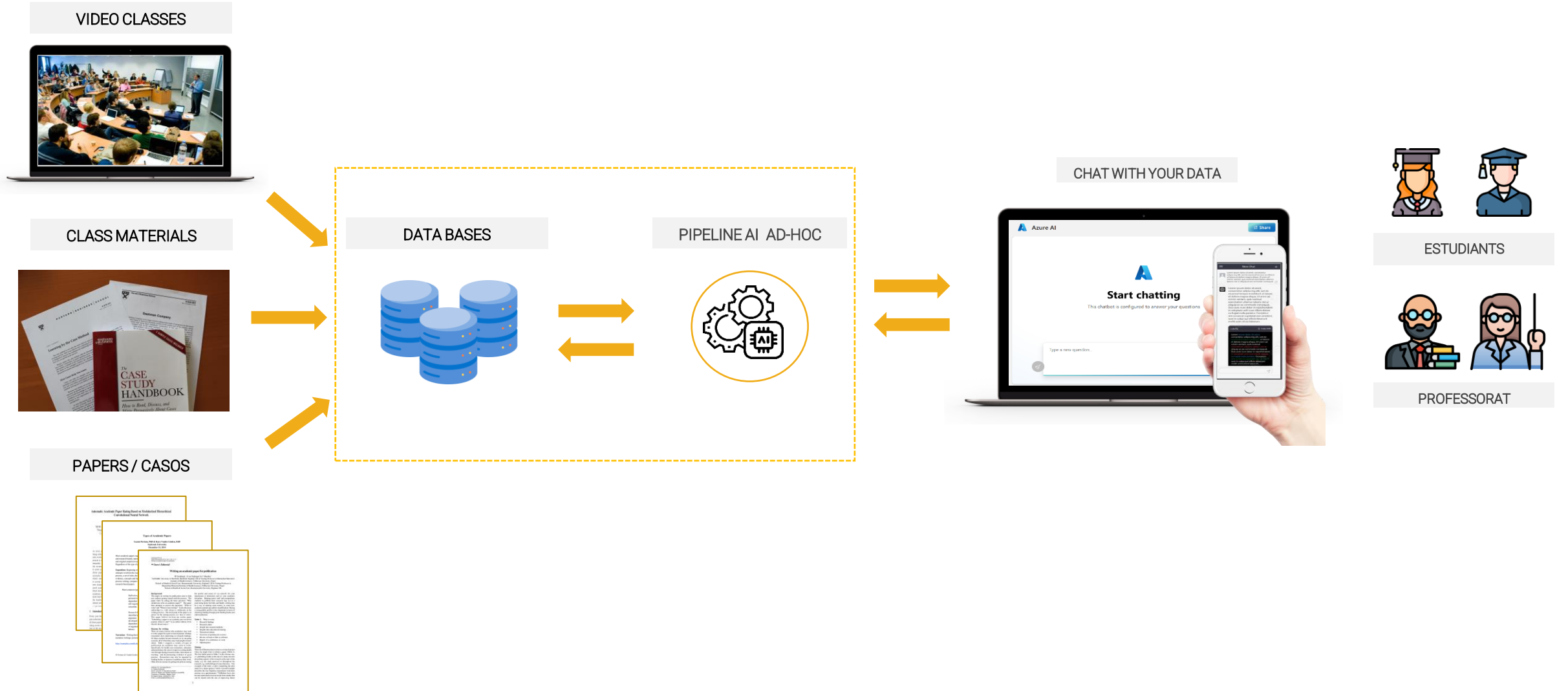
A cartoon character of Albert Einstein stands next to a large computer monitor. The monitor displays a purple background with white code symbols: '</>'. The Einstein character is pointing towards the screen with his right hand. The background is light blue with stylized clouds, a green landscape with trees, and various mathematical symbols like plus signs and a zero.

entendre i parlar amb el producte

Facilitar la vida del client en la gestió de maquinària complexa



gestionar coneixement



EFICIÈNCIA CREATIVA



clonar la veu

**||Eleven
||Labs**

generació de vídeos



OFIMÁTICA VITAMINADA



activació d'eines

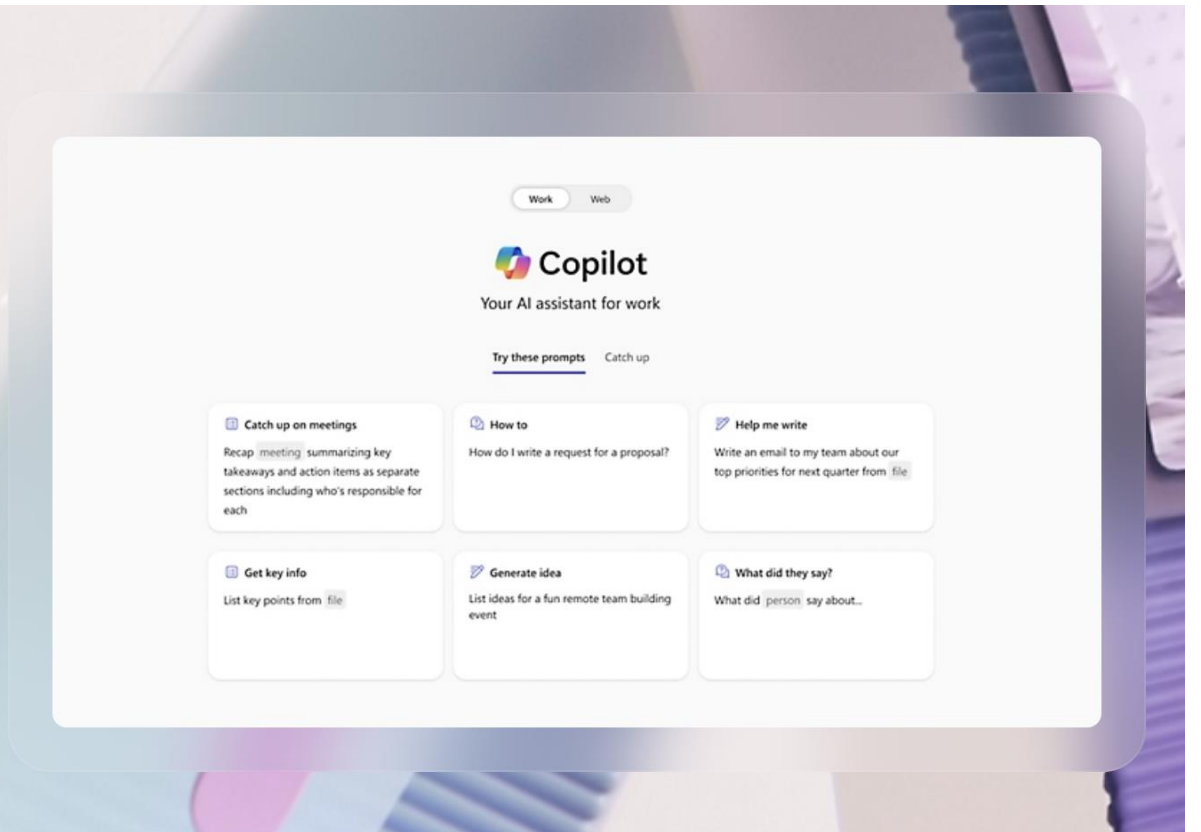
EMPRESA

Microsoft 365 Copilot

Tu asistente de IA para el trabajo.

[Consultar precios](#)

Microsoft 365 Copilot está disponible como complemento de Microsoft 365. Se necesita una [suscripción a Microsoft 365 válida](#) para adquirir Copilot.



factories de codi



L'ús de Copilot en el desenvolupament de codi ens està generant al voltant d'un 35% d'estalvi d'hores de desenvolupament del enginyers de programació.

Íñigo Eraña
CEO



factories de disseny



OPORTUNITATS

Què podem fer?



**KEEP
CALM**

AND

**KEEP
EXPLORING**

estem a l'inici del desplegament





Enginyers
Industrials de Catalunya

IA en acció
oportunitat o promesa exagerada?