

The Age Of Artificial Intelligence Has Begun



AI is one of the most profound things we are working on as a humanity. It is more profound than fire or electricity.

Sundar Pichai, Alphabet CEO

Large Language Models (LLMs)

A significant breakthrough for AI, revolutionising how machines can process and generate language

Predict words and sequences based on machine learning

The launch of ChatGPT significantly expanded the addressable market and accelerated adoption

Coding has been one of the most immediate applications

of new drugs/ materials to be discovered by generative AI

by 2025
30%+

trained on
100trn
parameters
(equivalent to human brain)

can respond up to
25k
words

Chat GPT-4

scored
100%
in under

4 mins¹

Amazon's recruitment process includes a tough two hour online assessment

This could be just the beginning

Few barriers to AI deployment

ChatGPT
100m
users in 2 months²

Generative AI requires no spend on behalf of the user

Smartphones/internet puts technology in hands of 6bn+ people worldwide

6bn+

Seizing the AI opportunity

Potential economic and societal impact

60%



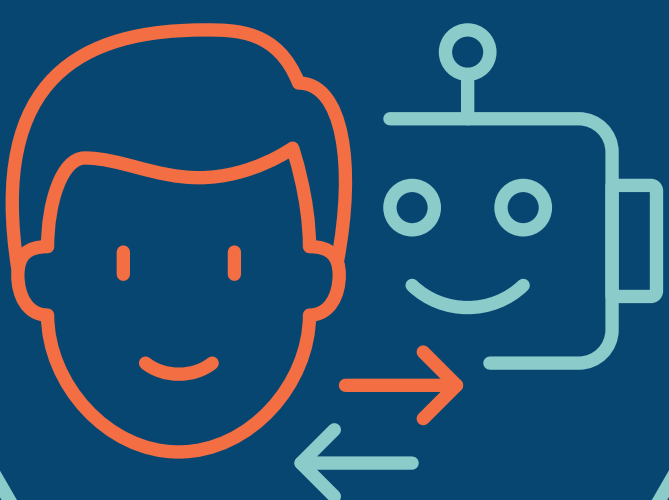
of workers are in occupations that did not exist in 1940³

25%



of current work tasks could be automated by AI in the US and Europe⁴

2-3pp



AI adoption increases annual worker productivity growth by 2-3pp within firms³

7%



Generative AI could add to Global GDP³

ChatGPT



Examples

"Explain quantum computing in simple terms" →

"Got any creative ideas for a 10 year old's birthday?" →

"How do I make an HTTP request in Javascript?" →



Capabilities

Remembers what user said earlier in the conversation

Allows user to provide follow-up corrections

Trained to decline inappropriate requests



Limitations

May occasionally generate incorrect information

May occasionally produce harmful instructions or biased content

Limited knowledge of world and events after 2021

¹Source: Microsoft GPT-4 Research Paper, 13 April 2023. <https://arxiv.org/pdf/2303.12712.pdf>.

²Source: Piper Sandler (14 April 2023). <https://economictimes.indiatimes.com/news/new-updates/chatgpt-witnesses-massive-rise-chatbot-gains-100-million-users-in-two-months/articleshow/98428443.cms>.

³Source: Goldman Sachs, 26 March 2023; ⁴State of AI 2022, 11 October 2022. Welcome to State of AI Report 2022.