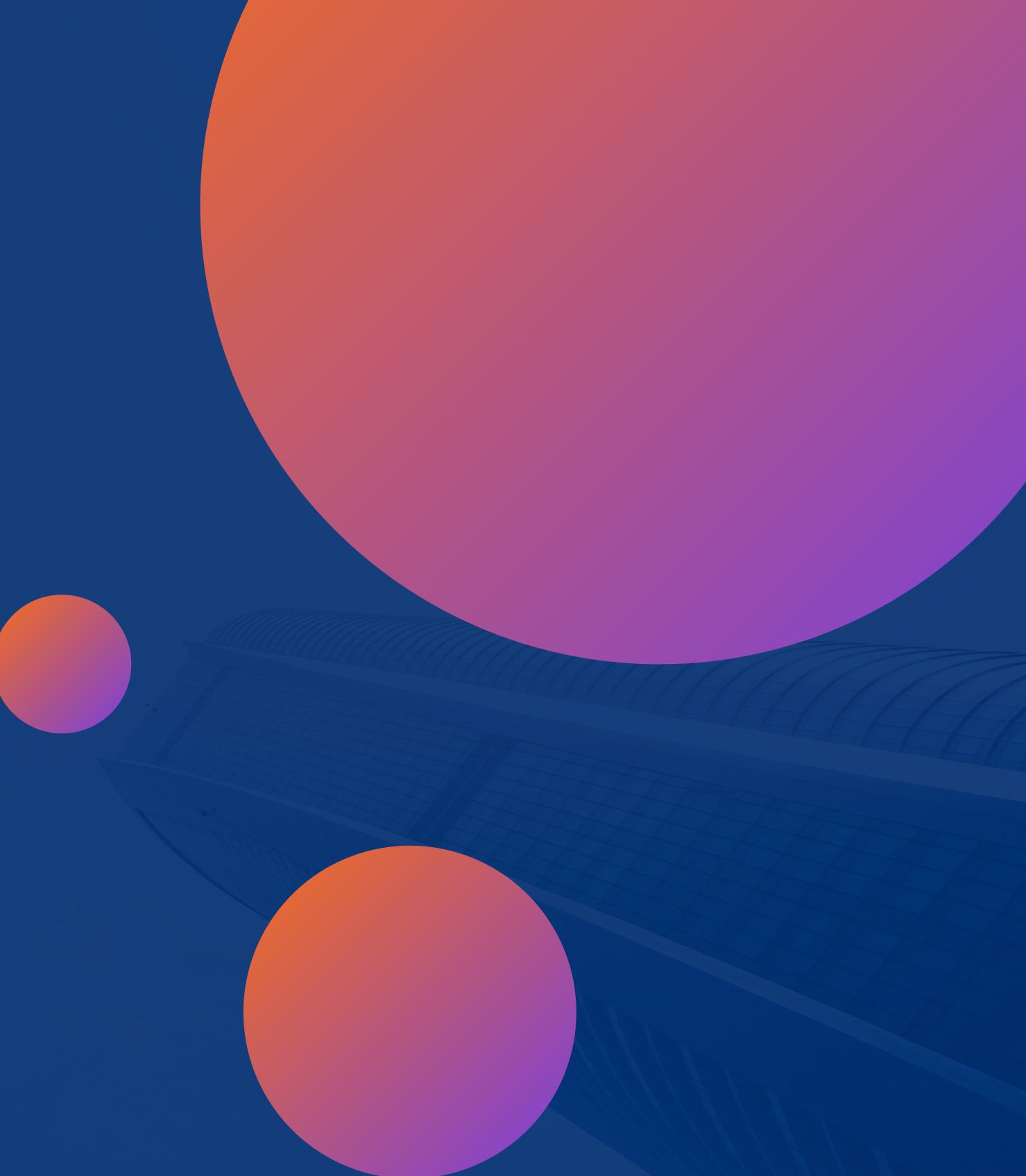
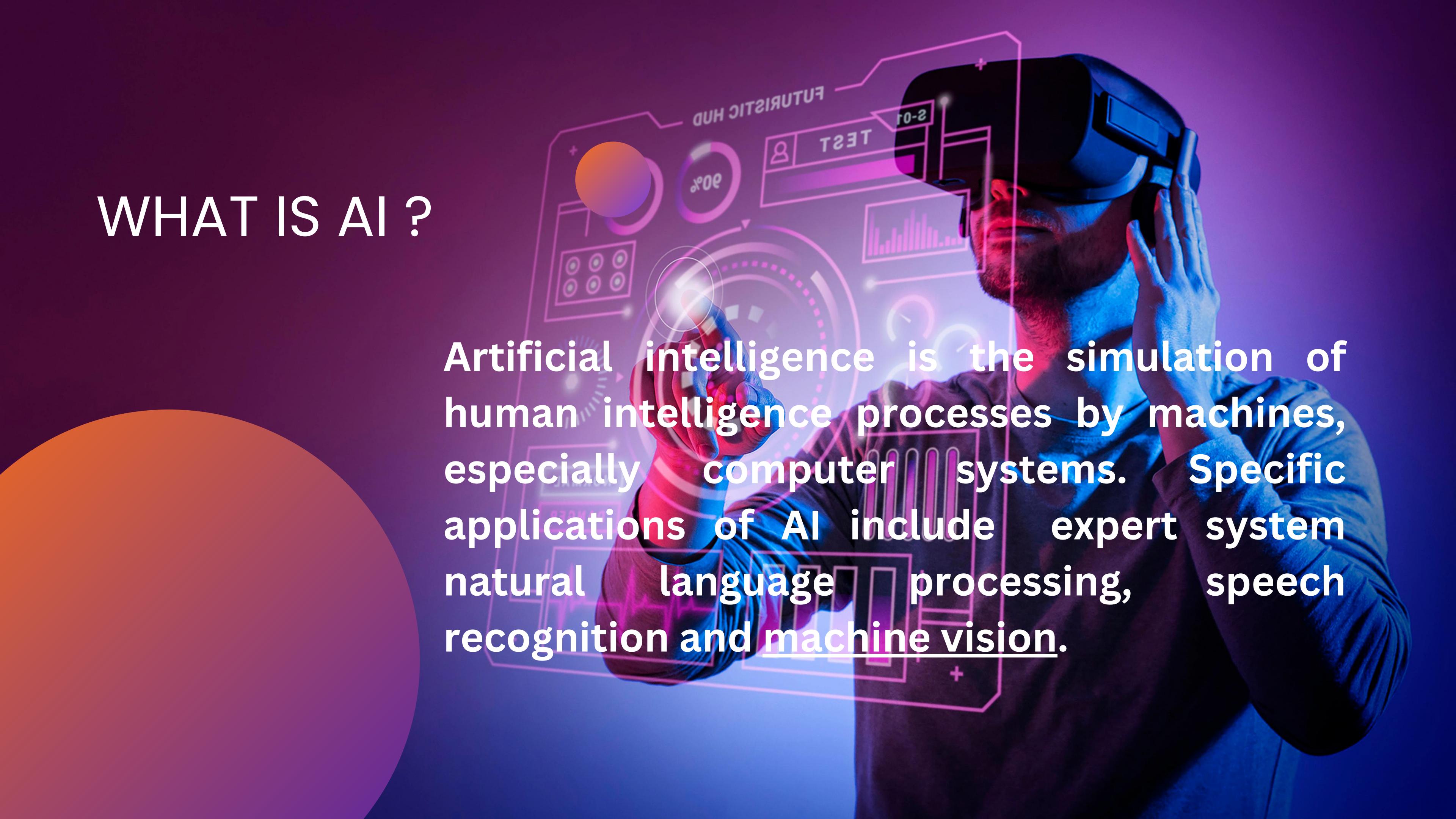




DATE WITH THE INDUSTRY

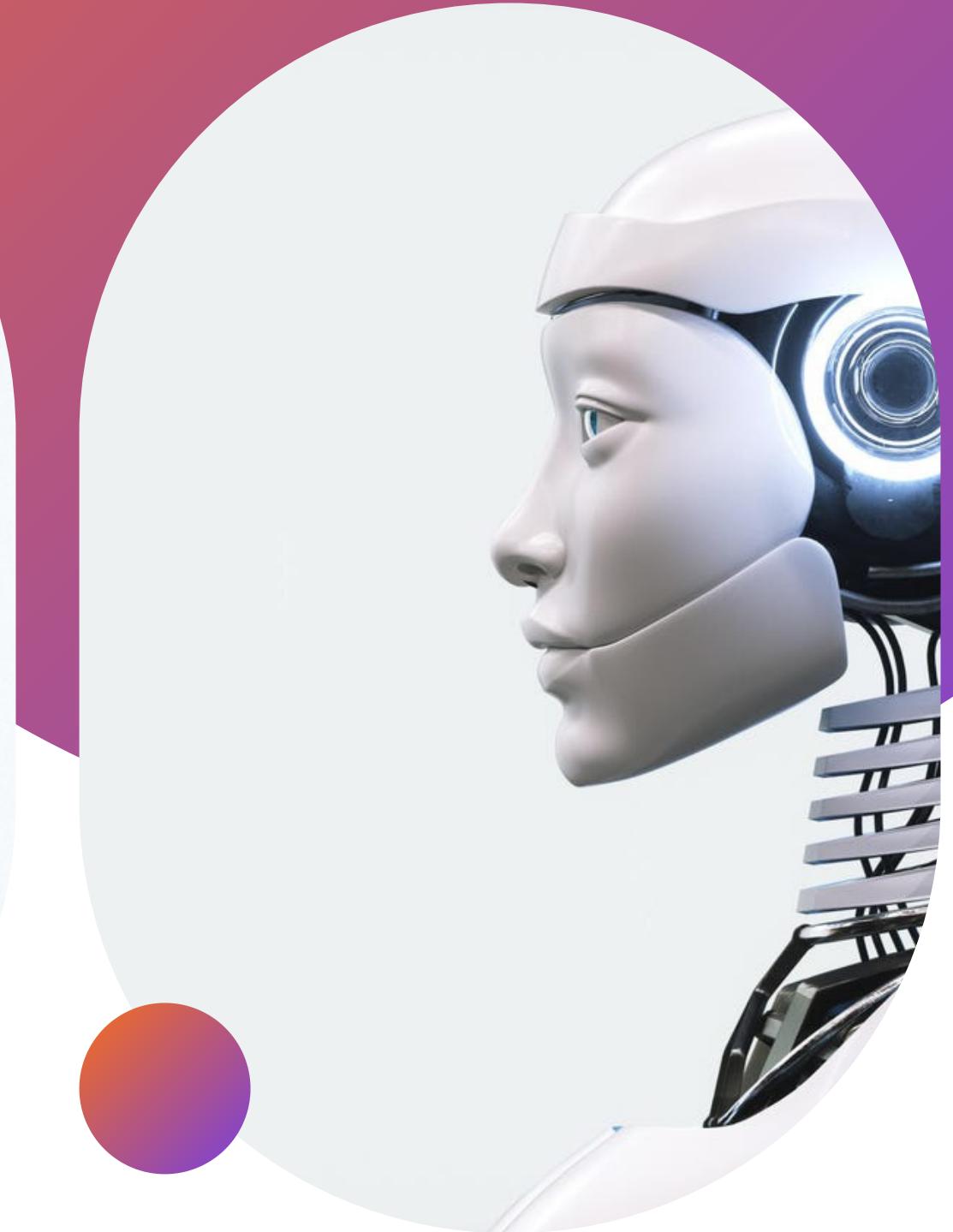


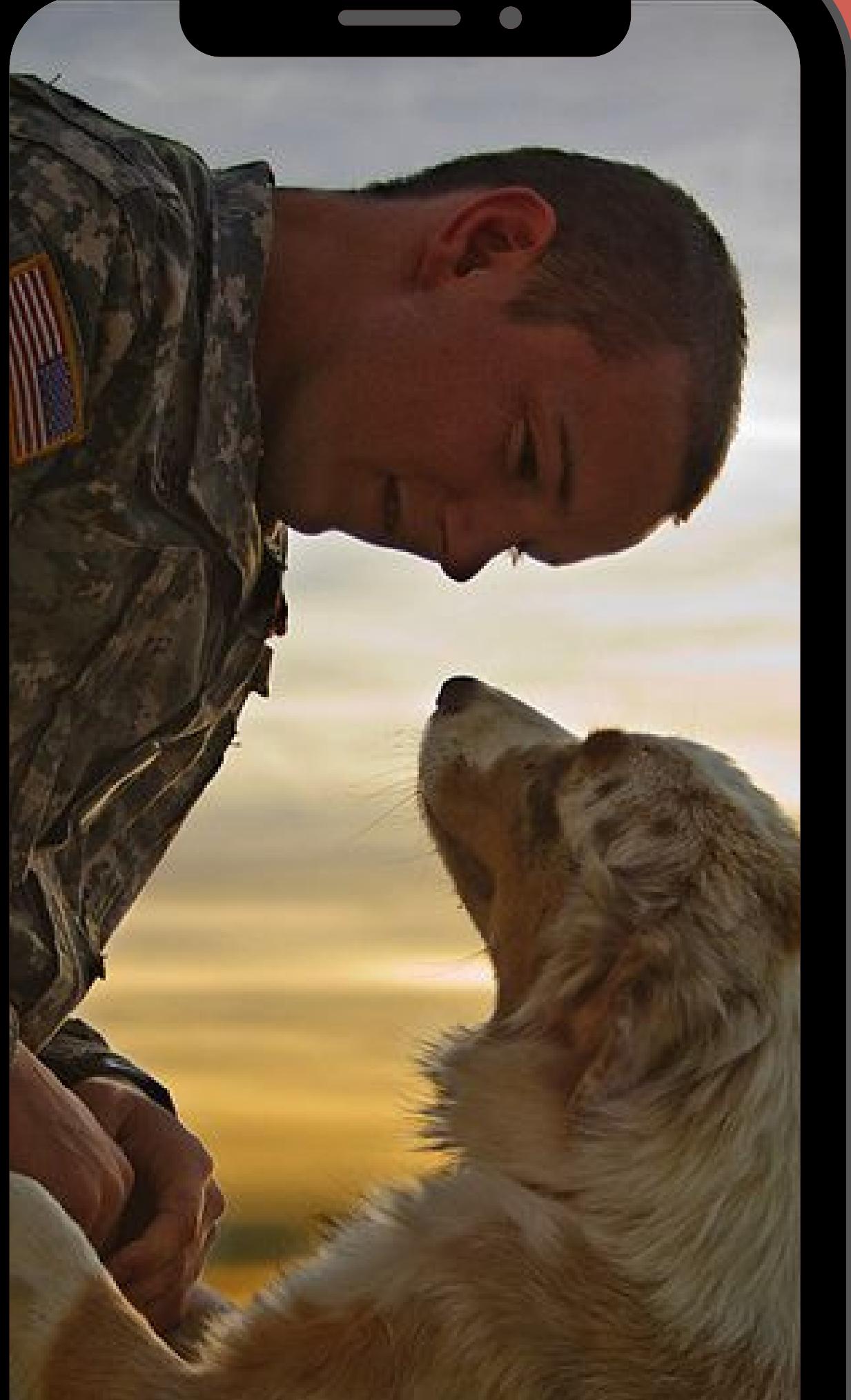
WHAT IS AI ?

A man with a beard and glasses is wearing a VR headset and holding a controller. He is interacting with a futuristic user interface (HUD) that includes a 3D bar chart, a circular progress meter, and various text elements like 'TEST' and 'S-01'. The background is dark with blue and purple lighting.

Artificial intelligence is the simulation of human intelligence processes by machines, especially computer systems. Specific applications of AI include expert system natural language processing, speech recognition and machine vision.

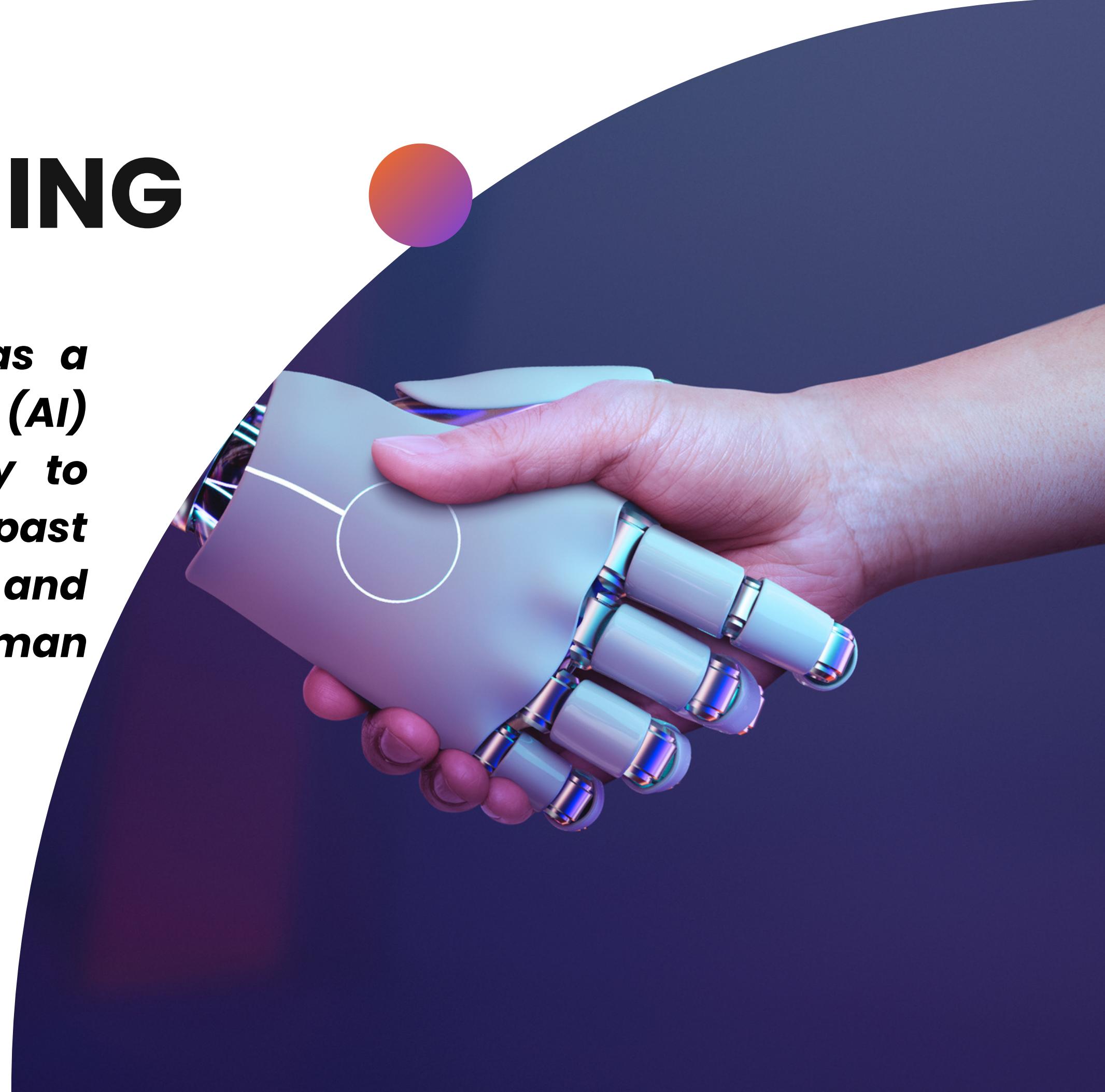
Who is more intelligent ?





MACHINE LEARNING

Machine learning (ML) is defined as a discipline of artificial intelligence (AI) that provides machines the ability to automatically learn from data and past experiences to identify patterns and make predictions with minimal human intervention.



ov	77516	Bachelors	13	Never-married	Adm-clerical	Not-in-family	White	Male	2174	0	40	United-States
p-not-inc	83311	Bachelors	13	Married-civ-spouse	Exec-managerial	Husband	White	Male	0	0	13	United-States
	215646	HS-grad	9	Divorced	Handlers-cleaners	Not-in-family	White	Male	0	0	40	United-States
	234721	11th	7	Married-civ-spouse	Handlers-cleaners	Husband	Black	Male	0	0	40	United-States
	338409	Bachelors	13	Married-civ-spouse	Prof-specialty	Wife	Black	Female	0	0	40	Cuba
	284582	Masters	14	Married-civ-spouse	Exec-managerial	Wife	White	Female	0	0	40	United-States
	160187	9th	5	Married-spouse-absent	Other-service	Not-in-family	Black	Female	0	0	16	Jamaica
p-not-inc	209642	HS-grad	9	Married-civ-spouse	Exec-managerial	Husband	White	Male	0	0	45	United-States
	45781	Masters	14	Never-married	Prof-specialty	Not-in-family	White	Female	14084	0	50	United-States
	159449	Bachelors	13	Married-civ-spouse	Exec-managerial	Husband	White	Male	5178	0	40	United-States
	280464	Some-college	10	Married-civ-spouse	Exec-managerial	Husband	Black	Male	0	0	80	United-States
ov	141297	Bachelors	13	Married-civ-spouse	Prof-specialty	Husband	Asian-Pac-Islander	Male	0	0	40	India
	122272	Bachelors	13	Never-married	Adm-clerical	Own-child	White	Female	0	0	30	United-States
	205019	Assoc-acdm	12	Never-married	Sales	Not-in-family	Black	Male	0	0	50	United-States
	121772	Assoc-voc	11	Married-civ-spouse	Craft-repair	Husband	Asian-Pac-Islander	Male	0	0	40	?
	245487	7th-8th	4	Married-civ-spouse	Transport-moving	Husband	Amer-Indian-Eskimo	Male	0	0	45	Mexico
p-not-inc	176756	HS-grad	9	Never-married	Farming-fishing	Own-child	White	Male	0	0	35	United-States
	186824	HS-grad	9	Never-married	Machine-op-inspct	Unmarried	White	Male	0	0	40	United-States
	28887	11th	7	Married-civ-spouse	Sales	Husband	White	Male	0	0	50	United-States
p-not-inc	292175	Masters	14	Divorced	Exec-managerial	Unmarried	White	Female	0	0	45	United-States
	193524	Doctorate	16	Married-civ-spouse	Prof-specialty	Husband	White	Male	0	0	60	United-States
	302146	HS-grad	9	Separated	Other-service	Unmarried	Black	Female	0	0	20	United-States
-gov	76845	9th	5	Married-civ-spouse	Farming-fishing	Husband	Black	Male	0	0	40	United-States
	117037	11th	7	Married-civ-spouse	Transport-moving	Husband	White	Male	0	2042	40	United-States
	109015	HS-grad	9	Divorced	Tech-support	Unmarried	White	Female	0	0	40	United-States



TYPES OF LEARNING

- Supervised learning
- Un supervised learning
- Reinforcement learning



Top 3 types of Machine Learning algorithms

Supervised Learning

- Well defined goals
- Reverse engineering
- Example- Fraud/Non-fraud transactions, inventory management

Unsupervised Learning

- Outcome is based only on inputs
- Outcome- typically Clustering or segmentation

Reinforcement Learning

- Start state and end state are defined
- The agent discovers the path and the relationships on its own



USE OF MACHINE LEARNING

PREDICTION

CLASSIFICATION

Deep Learning



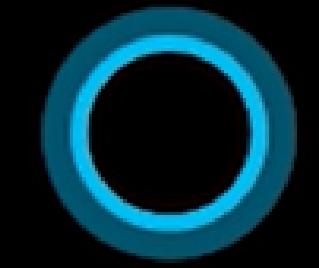
NLP[Natural Language Processing]



What is natural language processing? Natural language processing (NLP) refers to the branch of computer science—and more specifically, the branch of artificial intelligence or AI—concerned with giving computers the ability to understand text and spoken words in much the same way human beings can.



SIRI



Hi, I'm Cortana.

CORTANA



ALEXA



ARTIFICIAL
INTELLIGENCE



ChatGPT





What is ChatGPT?



VANITY FAIR
NEW
ESTABLISHMENT
SUMMIT





Generative Pre-trained Transformer

How chat gpt works?

Step 1

Collect demonstration data and train a supervised policy.

A prompt is sampled from our prompt dataset.

Explain reinforcement learning to a 6 year old.

A labeler demonstrates the desired output behavior.

We give treats and punishments to teach...

This data is used to fine-tune GPT-3.5 with supervised learning.

SFT

We give treats and punishments to teach...

Step 2

Collect comparison data and train a reward model.

A prompt and several model outputs are sampled.

Explain reinforcement learning to a 6 year old.

A
In reinforcement learning, the agent is...
B
Explain rewards...
C
In machine learning...
D
We give treats and punishments to teach...

A labeler ranks the outputs from best to worst.

D > C > A > B

This data is used to train our reward model.

RM

D > C > A > B

Step 3

Optimize a policy against the reward model using the PPO reinforcement learning algorithm.

A new prompt is sampled from the dataset.

Write a story about otters.

PPO


The PPO model is initialized from the supervised policy.

Once upon a time...

RM


The reward model calculates a reward for the output.

r_k

The reward is used to update the policy using PPO.

- [+ New chat](#)
- [Content Writer Requested](#)
- [Request for Salary Slip for Loa](#)
- [Optimizing Google Ads Displa](#)
- [Training Program Topics List](#)
- [Send file to backend](#)
- [Meta Description Software Inte](#)
- [Meta Desc Software Testing](#)
- [Clear conversations](#)
- [Light mode](#)
- [OpenAI Discord](#)
- [Updates & FAQ](#)
- [Log out](#)

ChatGPT



Examples

"Explain quantum computing in simple terms" →



Capabilities

Remembers what user said earlier in the conversation



Limitations

May occasionally generate incorrect information

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

Allows user to provide follow-up corrections

May occasionally produce harmful instructions or biased content

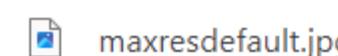
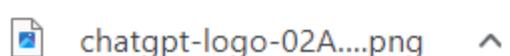
"How do I make an HTTP request in Javascript?" →

Trained to decline inappropriate requests

Limited knowledge of world and events after 2021

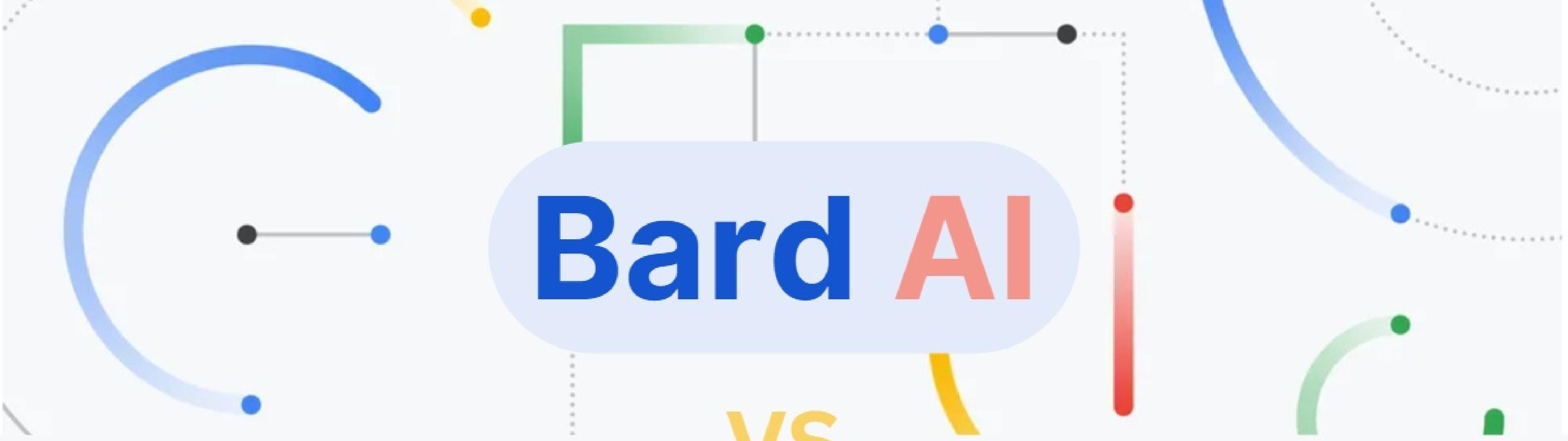


[ChatGPT Jan 30 Version](#). Free Research Preview. Our goal is to make AI systems more natural and safe to interact with. Your feedback will help us improve.



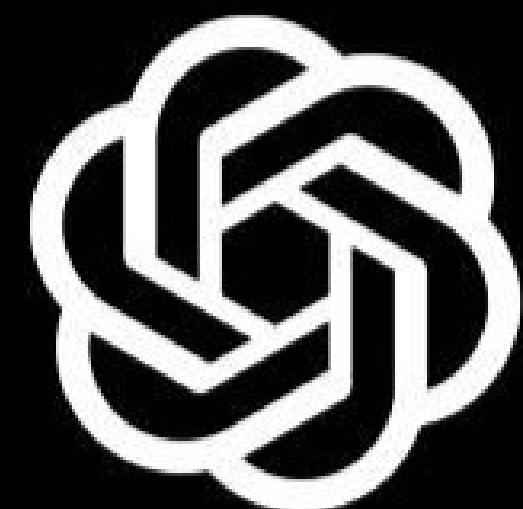
Show all





Bard AI

vs



OpenAI



The image features the Google Bard logo. It consists of a white rectangular speech bubble with rounded corners and a black border. Inside the bubble, the word "Bard" is written in a bold, sans-serif font. The letters are colored in a gradient: blue for the first letter, red for the second, yellow for the third, and green for the fourth. To the left of the word "Bard", there is a stylized letter "G". This "G" is also composed of a gradient and has a circular cutout in its center, revealing the white background of the bubble. The background of the entire image is a dark blue color with a faint, glowing watermark of the word "Bard" visible in the upper portion.

Bard

**വാദ്ധണിപാടി
വിദ്യാർത്ഥിക്കബന്ധ്
സഹായകാരം,
അദ്ദേഹക്കബന്ധ് ബഹുമാനിക്കുന്ന**



Welcome To Our Company

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