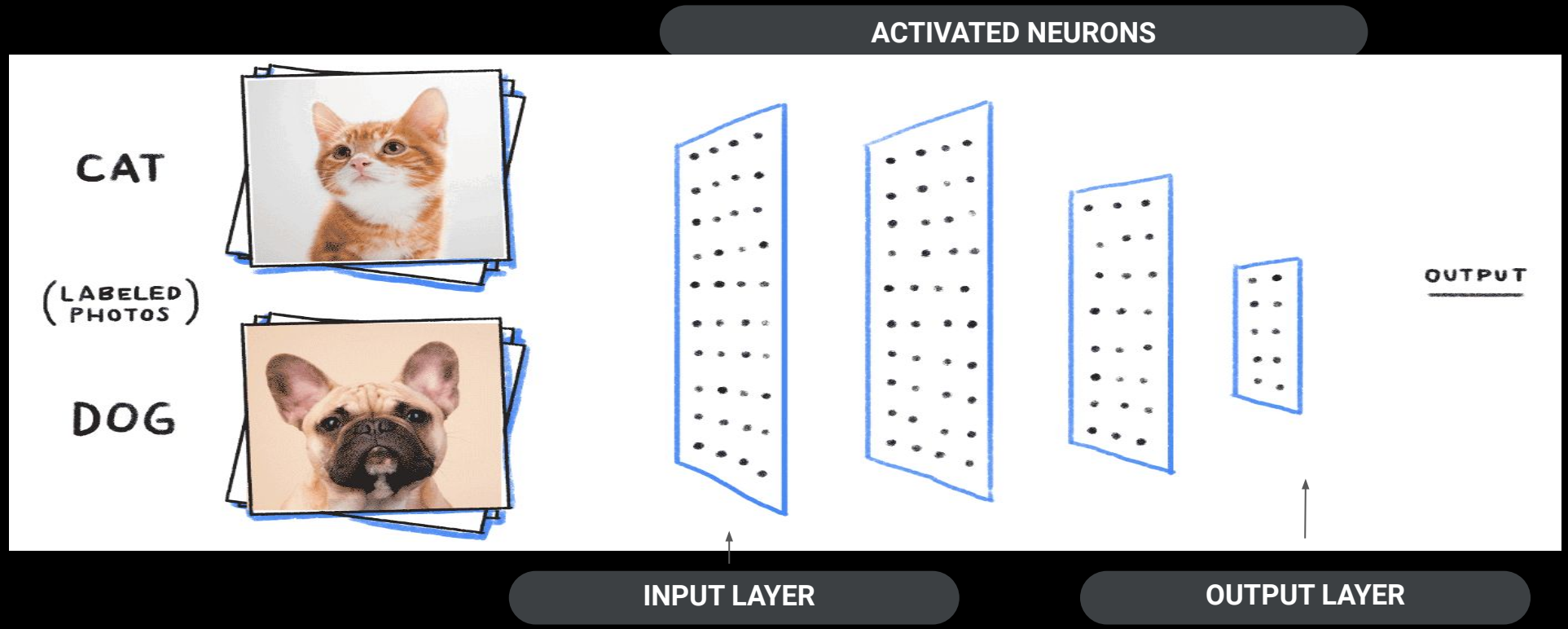
Seizing Opps with Applied AI

Lun Peng

Why AI is a hot topic nowadays?

How Neural Networks Learn



Why AI is a hot topic nowadays?

1

Artificial Intelligence (AI)

Mimics human brain

2

Machine Learning (ML)

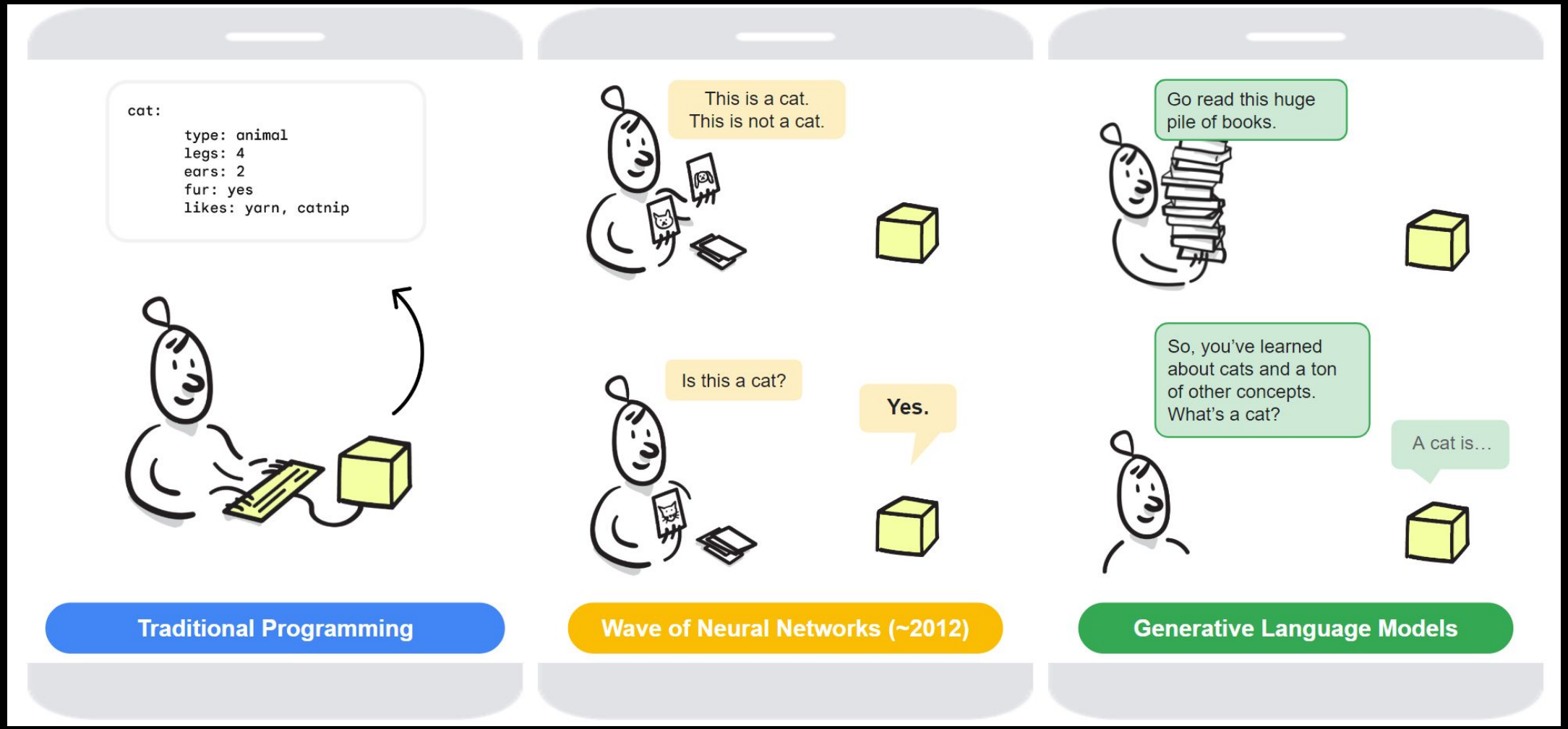
Learn from data

3

Generative

Generates new content

Why AI is a hot topic nowadays?



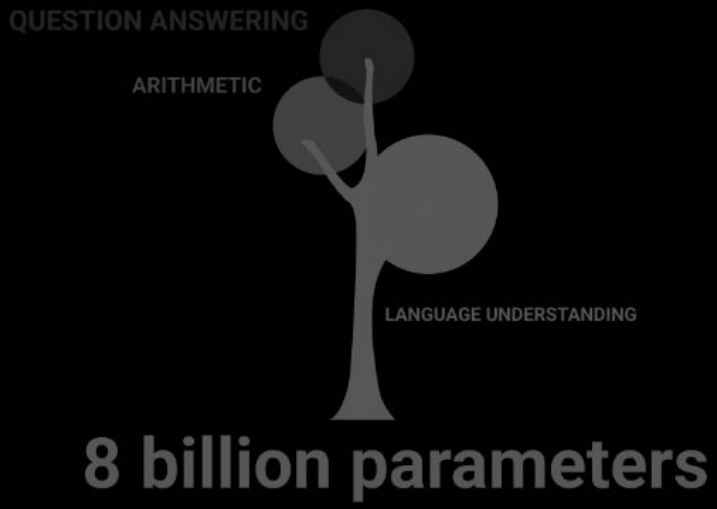
Transformers

Attention Is All You Need

“We propose a new simple network architecture, the Transformer, based solely on attention mechanisms, dispensing with recurrence and convolutions entirely…”

Conference on Neural Information Processing Systems, 2017

Parameters Matters!



Large Language Model

Oh, Nestle Boost,
You are a drink of champions.

You give me the energy I need,
To get through my day.

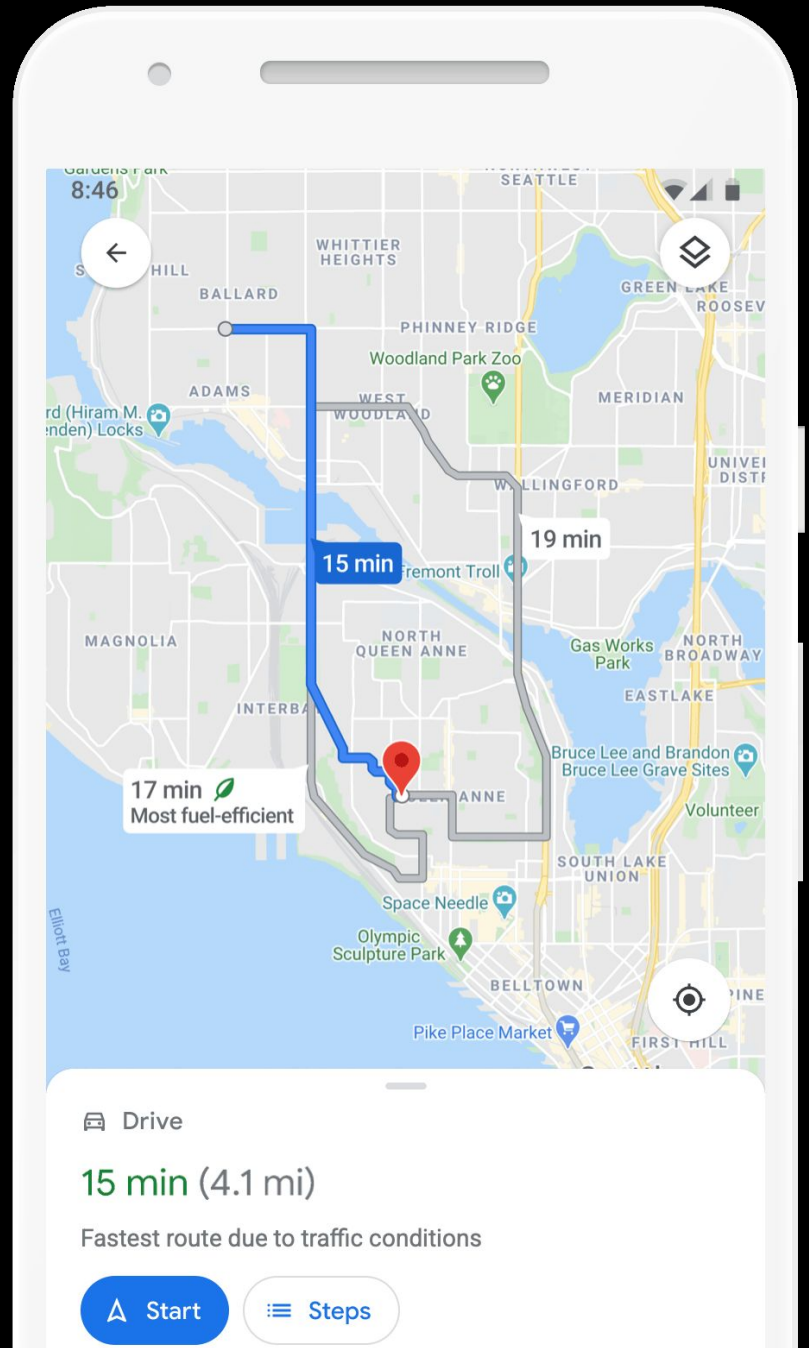
Thank you, Nestle Boost,
For being such a great drink.

You are a true friend,
And I will always be a fan.

Write me an ode to Nestle Boost

Generative AI is unlocking a world of creativity

Analytical & Predictive AI is optimizing the world around us.



Plan me a 10 day trip to Peru

Here is a possible 10-day itinerary for a trip to Peru:

Day 1:

- Arrive in Lima and check into your hotel.
- Take a walk around the Miraflores district and enjoy the views of the Pacific Ocean.
- Have dinner at one of Lima's many excellent restaurants.

Day 2:

- Visit the Larco Museum, which houses a vast collection of pre-Columbian art.
- Take a cooking class and learn how to make some of Peru's famous dishes.
- Enjoy a night out in the Barranco district, known for its bohemian atmosphere.

Day 3:

- Fly to Cusco, the ancient capital of the Inca Empire.
- Acclimatize to the high altitude by taking a walk around the city center.
- Have dinner at one of Cusco's many excellent restaurants.

Day 4:

- Visit the Sacsayhuaman ruins, a massive complex of Inca fortifications.
- Visit the Q'enqo ruins, a series of underground tunnels and caves.
- Visit the Puca Pucara ruins, a fort that once protected Cusco from invaders.

Day 5:

- Take a day trip to the Sacred Valley, a fertile valley that was once home to the Incas.
- Visit the Pisac Market, a bustling market where you can buy souvenirs and handicrafts.
- Visit the Ollantaytambo ruins, a large Inca fortress.

Day 6:

- Take the train to Aguas Calientes, a small town located at the base of Machu Picchu.
- Check into your hotel and relax in the hot springs.
- Have dinner at one of Aguas Calientes' many restaurants.

Text to Text
Conversation AI

LLAMA

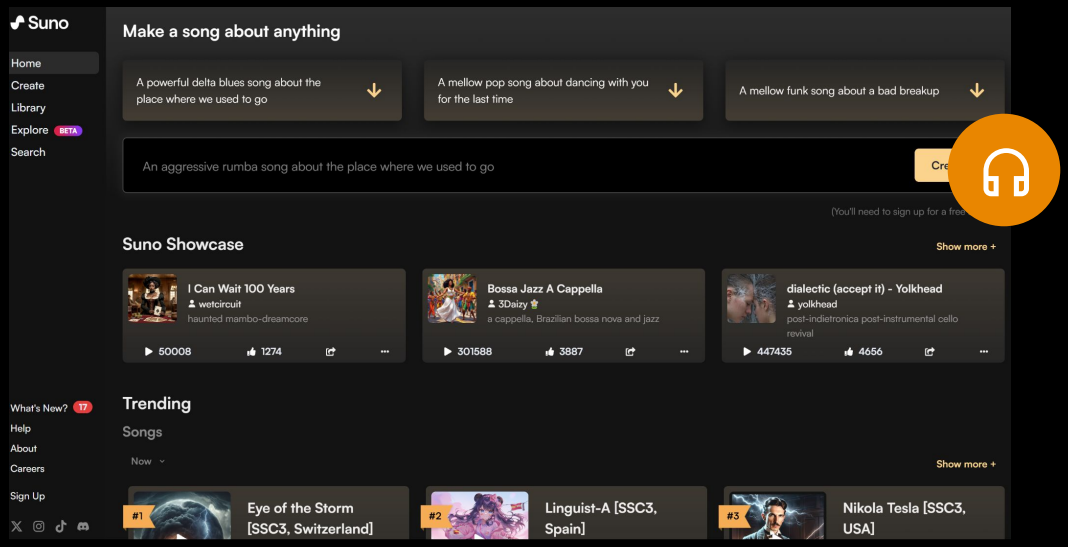
OpenAI

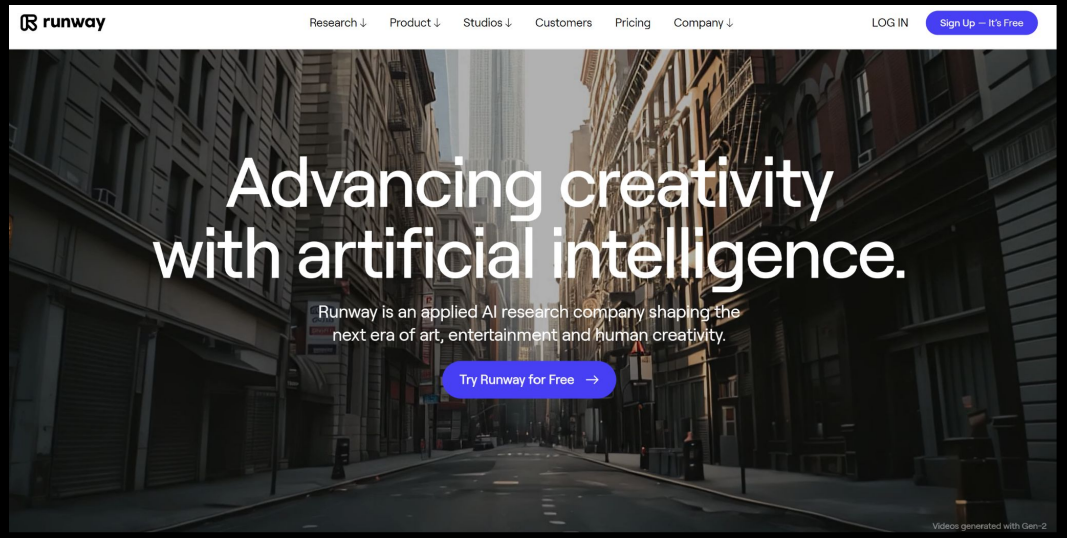
Text / Image to Image

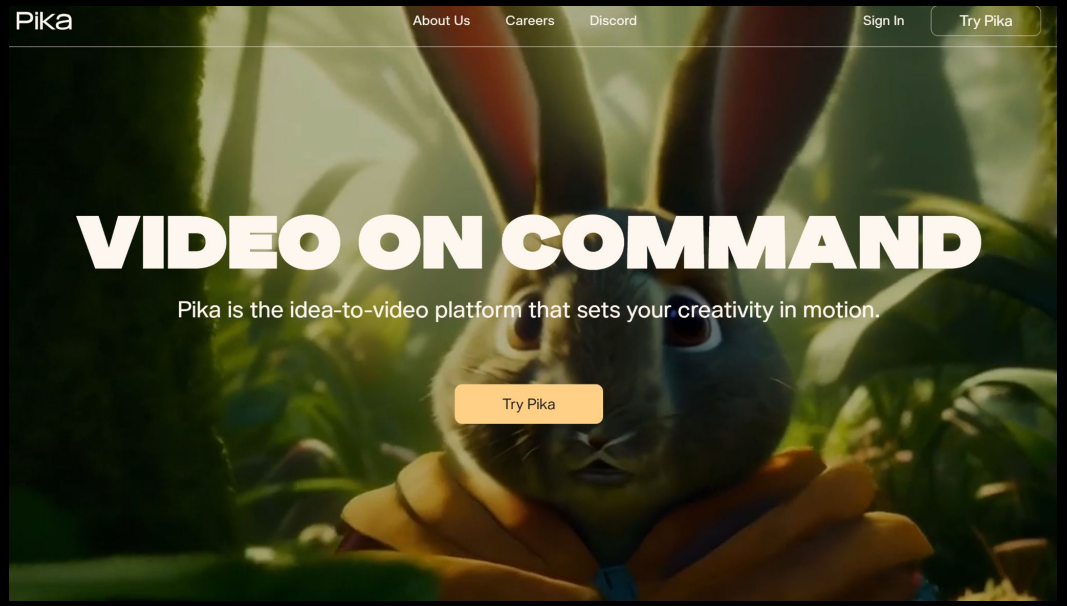
Stable Diffusion

Turn text to Music

A rising synth is playing an arpeggio with a lot of reverb. It is backed by pads, sub bass line and soft drums. This song is full of synth sounds creating a soothing and adventurous atmosphere.

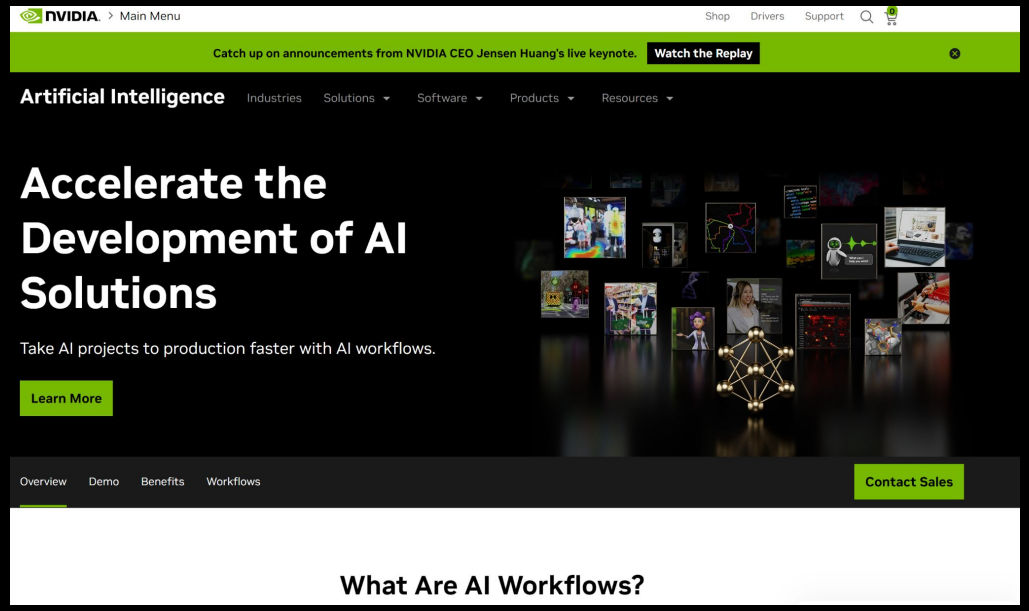


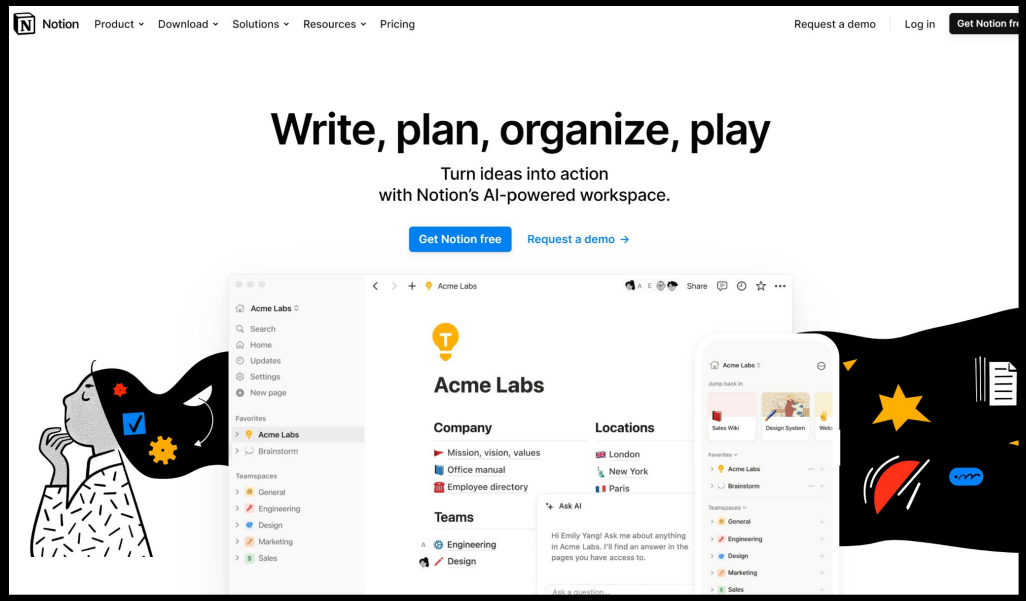


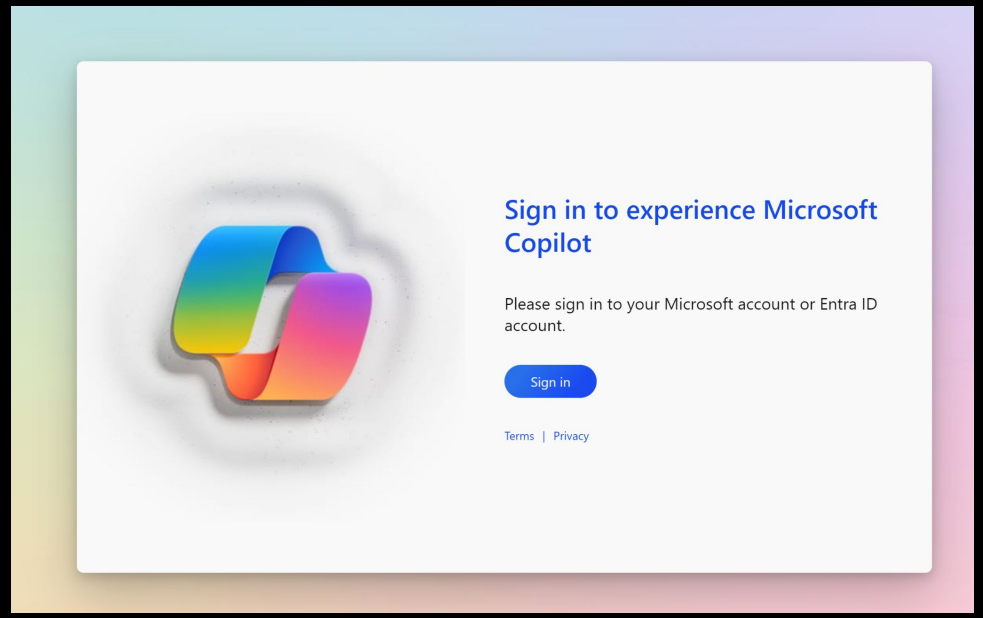


Turn text / Image prompts into video

AI powered Workflow



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AI Copilot

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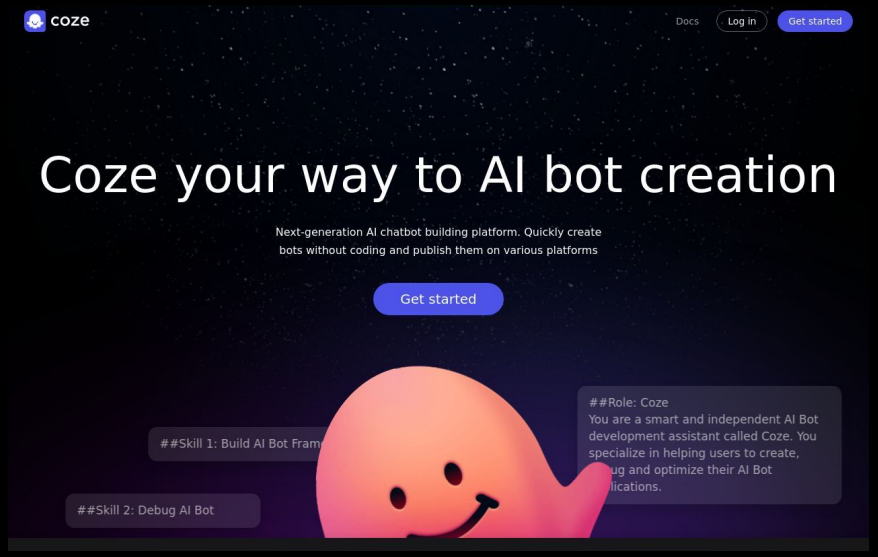
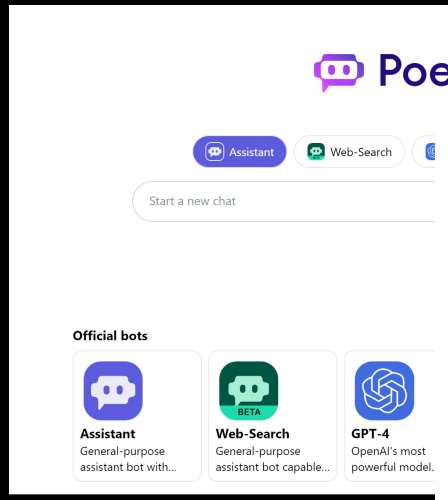
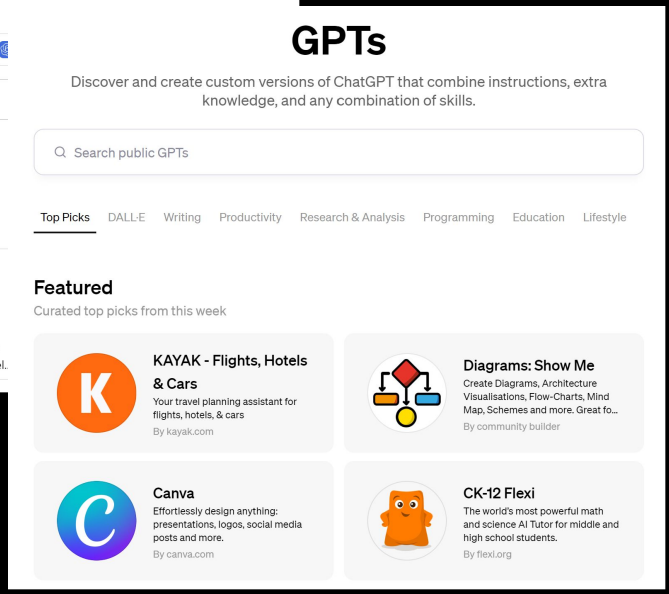
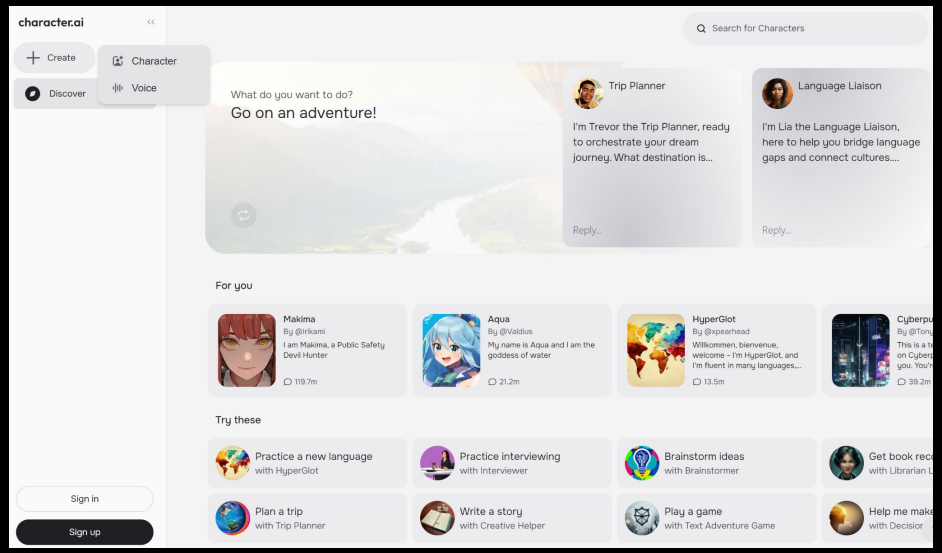
AI Agent Platform



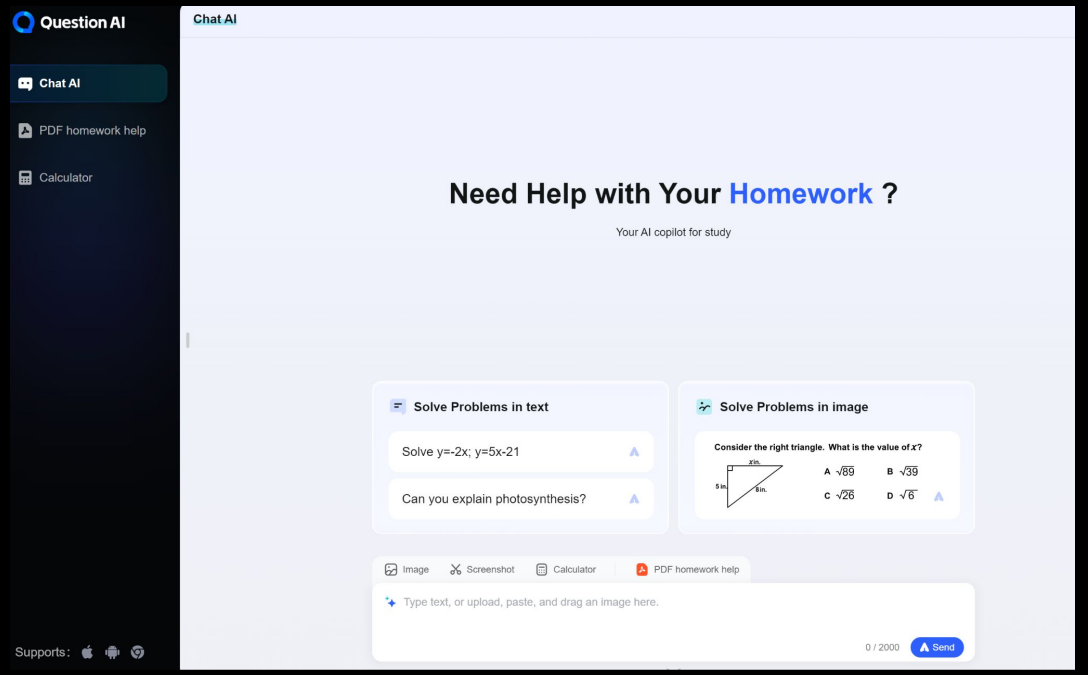


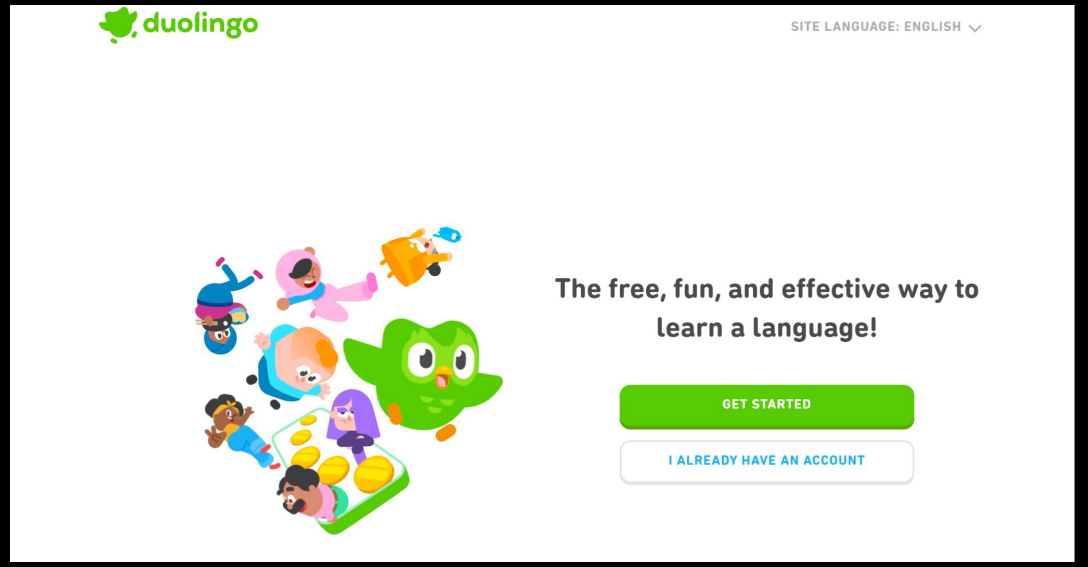


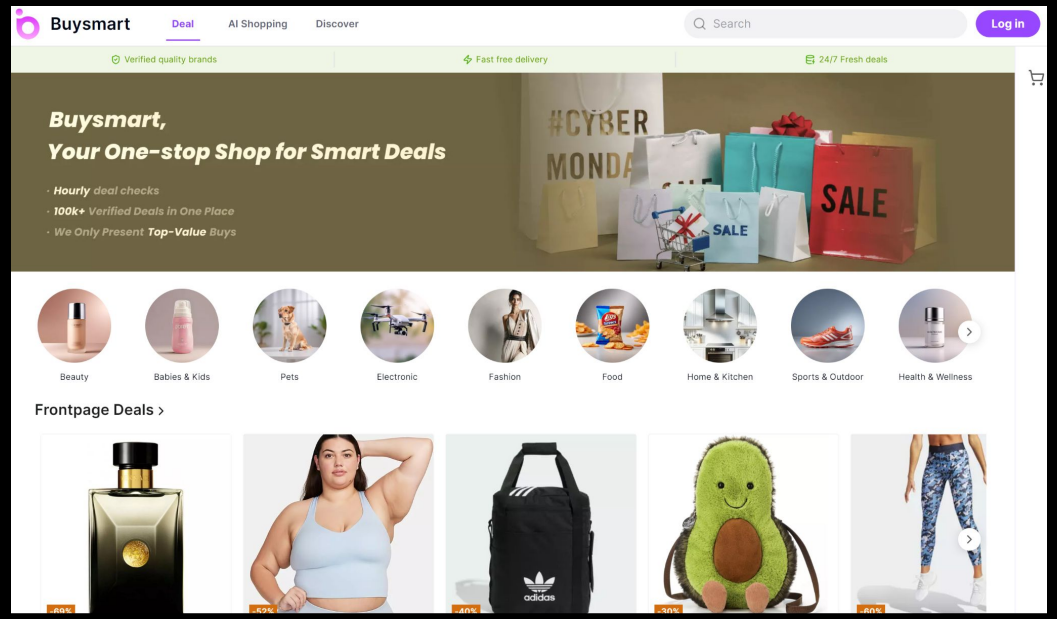


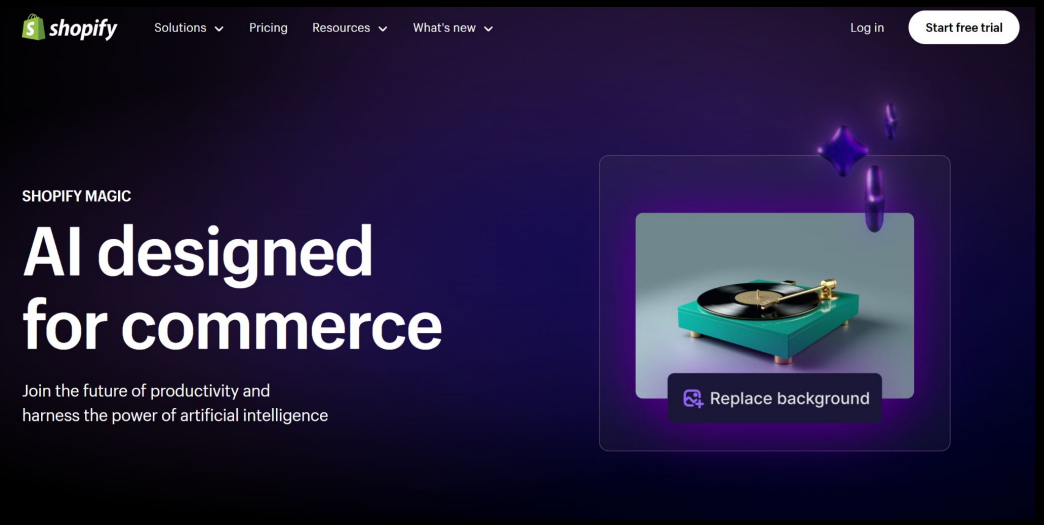
AI Agent
Gaming

AI Agent
Education

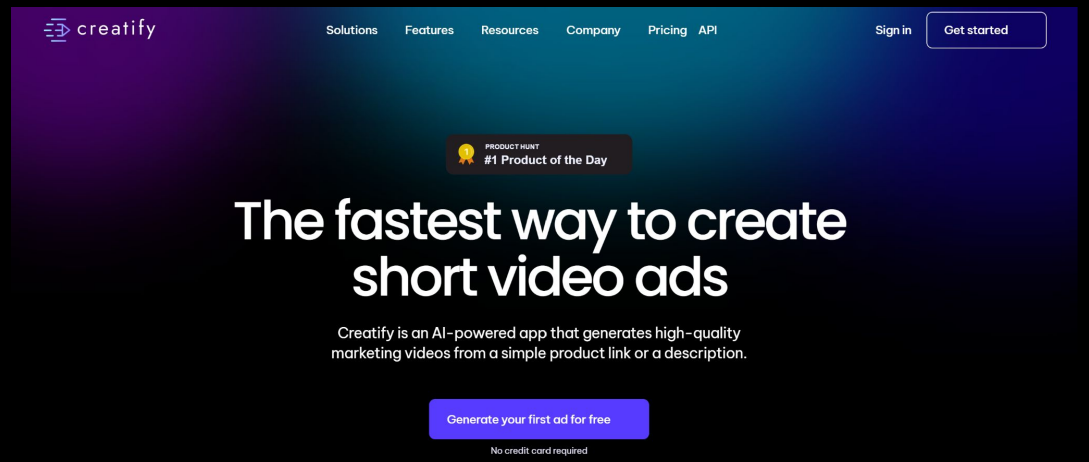


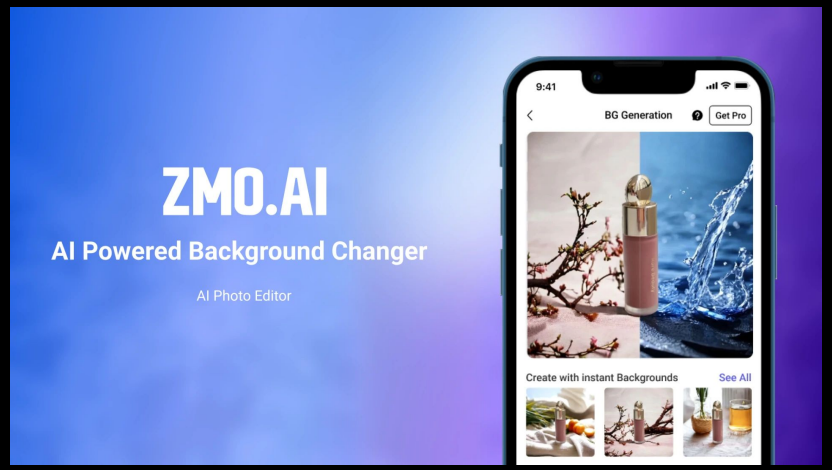




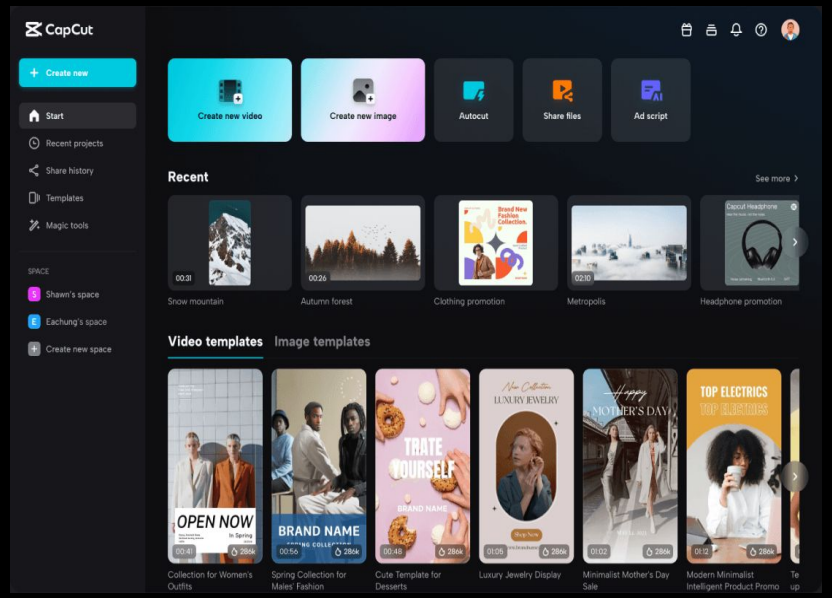


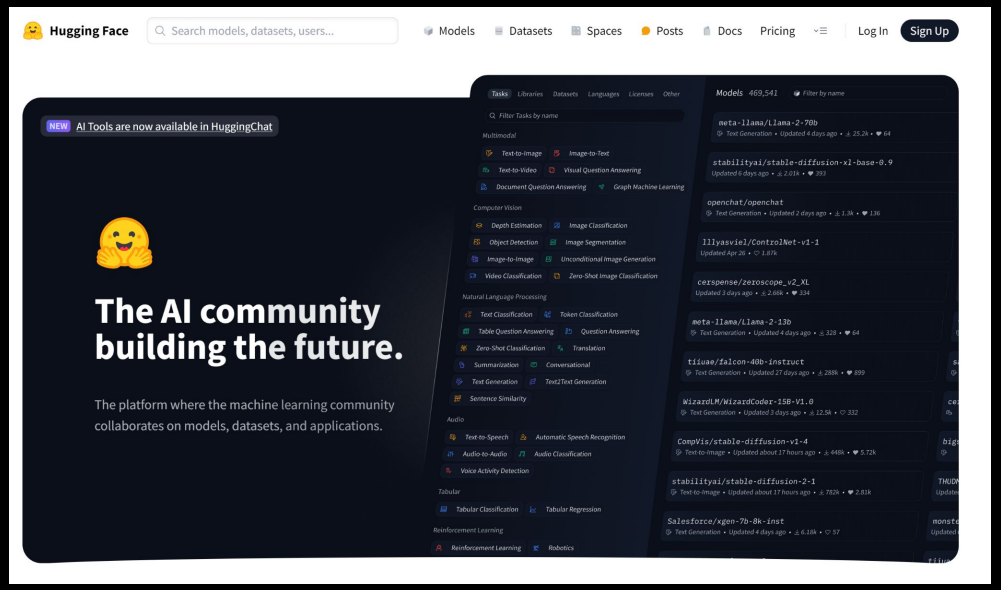
AI Agent E-commerce

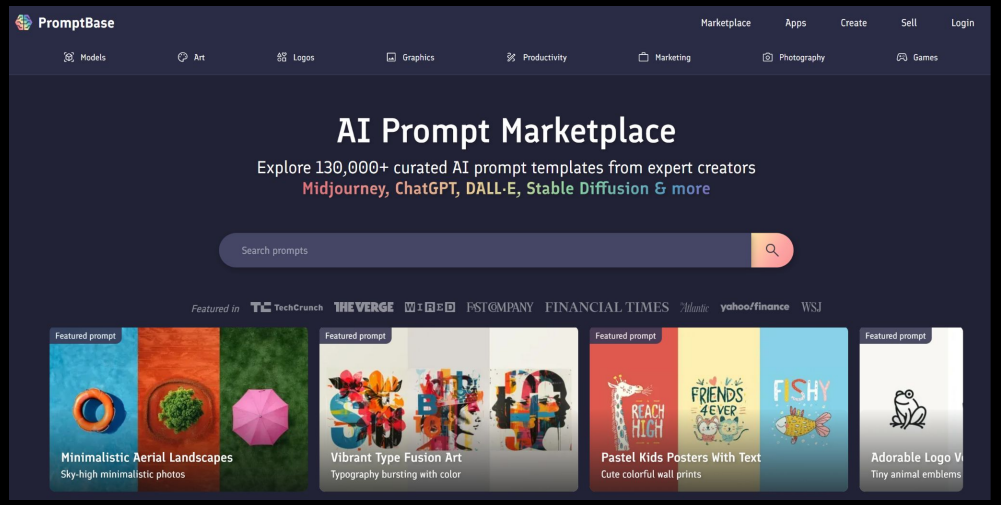




AI Agent
Creativity

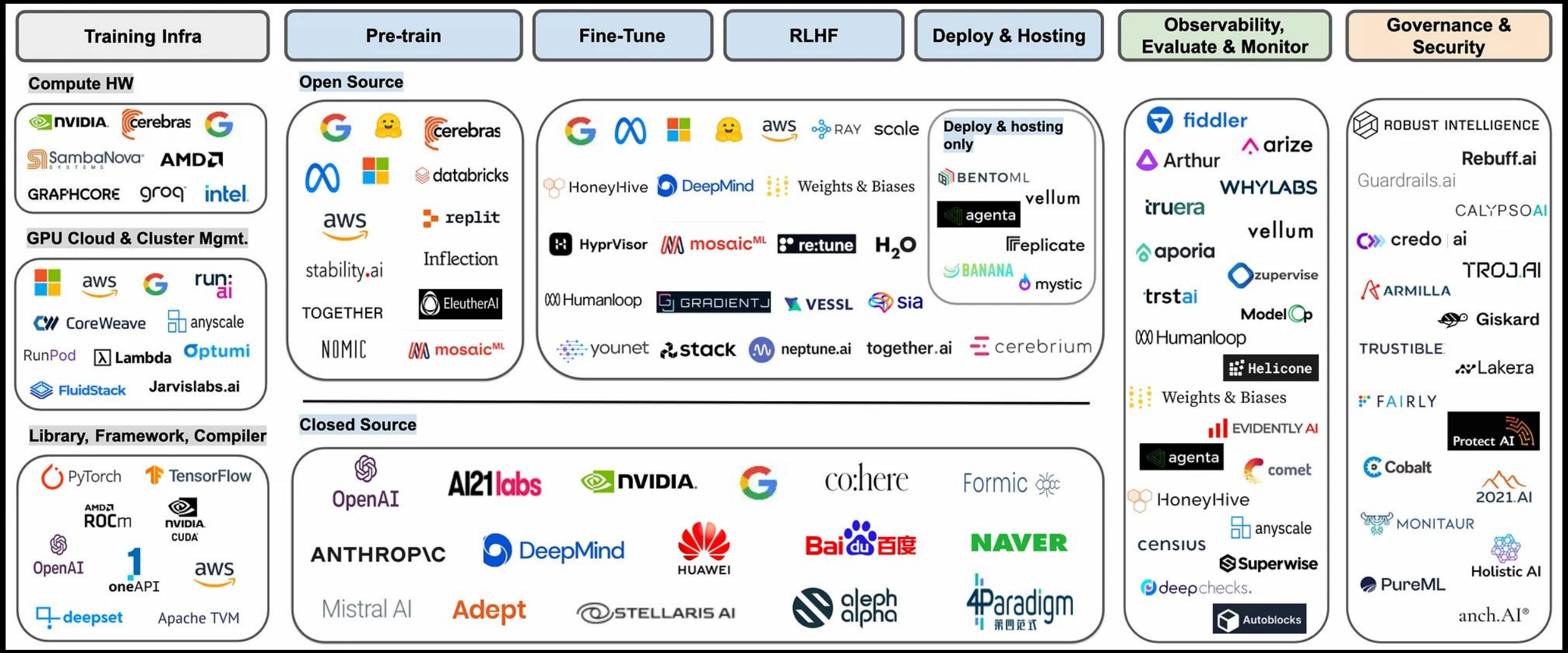




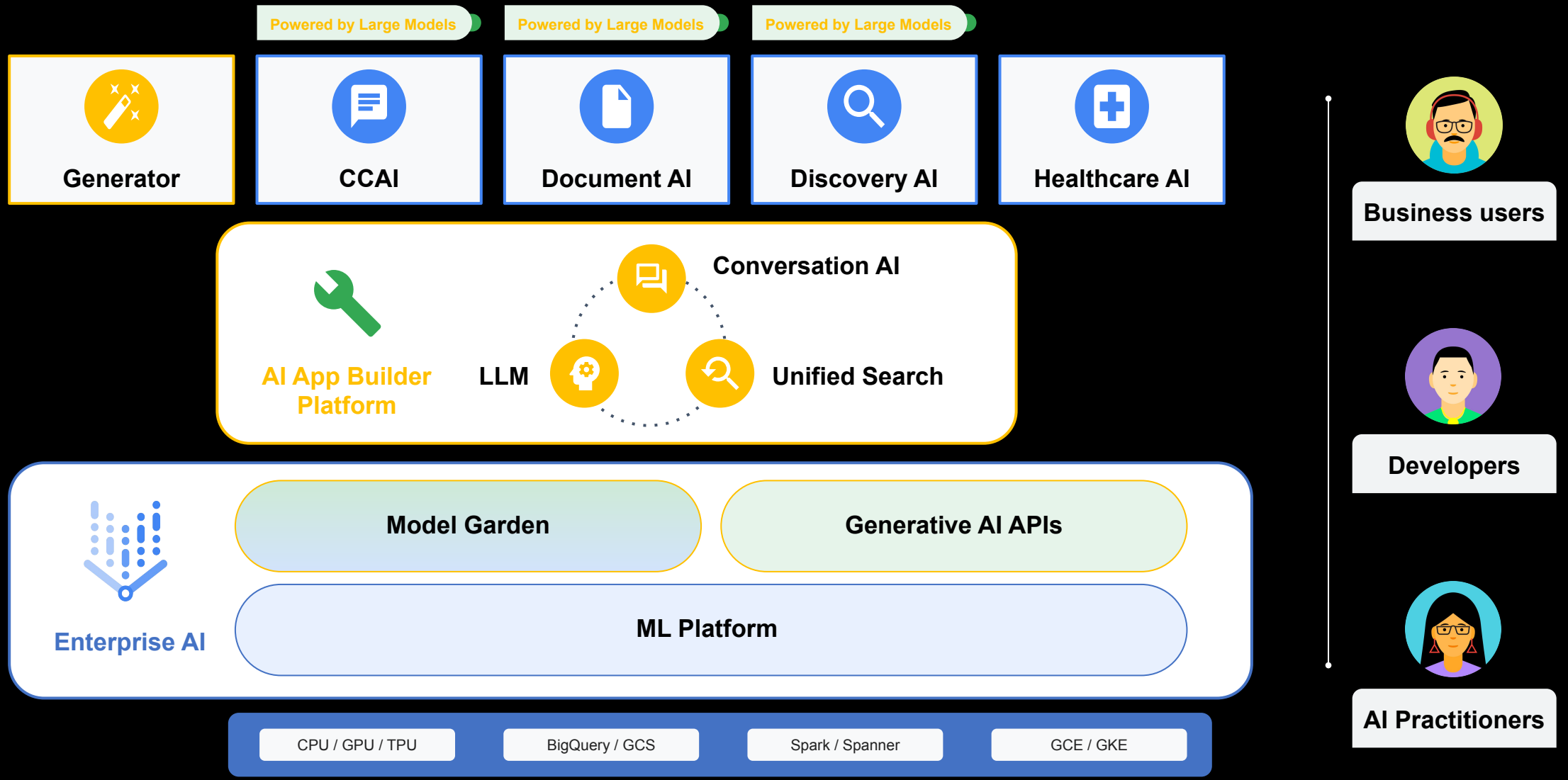


AI Community

Generative AI Industry Landscape



Technical Infra for Gen AI



Conclusion - AI multiplies

Embrace the innovations and changes

Results

Drive ROI

Customer Connections

New demand

Expertise

Augment your expertise and creativity

Thank You!

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