From Words to Wonders: An Introduction to NLP and LLMs

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Content

- Intro to AI & Gen AI
- What is NLP
  - Pipeline
  - Let’s code
- LLMs
  - Transformers
  - Let’s code
- QUIZ

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WHAT IS Generative AI ?

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What is AI ?

AI is a branch of computer science that deals with the creation of intelligent agents which are systems that can reason and learn (is the development of computer systems able to perform tasks normally requiring human intelligence)

What is GenAI ?

Gen AI is a type of AI technology that can produce various types of content , including text, imagery, audio and synthetic data .

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GENERATIVE AI NOW:
WRITING BOOKS,
CODING APPS, ANSWERING
LIFE'S DEEPEST QUESTIONS

AI IN 2010:
STRUGGLED TO TELL A CAT
FROM A LOAF OF BREAD

Types of Generative AI Based on Data

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Types of Generative AI Based on Data

GANs: Generative adversarial network

https://arxiv.org/abs/1406.2661

Diffusion models :

DALL-E

DALL·E

A wolf running though the woods

Here are two depictions of the wolf running through the woods. Let me know if you'd like any adjustments!

Can you make it more wintery?

Here are the updated images with a more wintery atmosphere, featuring the wolf running through a snowy forest. Let me know what you think or if you'd like any further adjustments!

https://openai.com/index/dall-e-2/

Diffusion models :

Midjourney

https://www.midjourney.com/home

ChatGPT

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GPT-4 VS HUMAN TESTS (MAY/2023)

Selected highlights only. Percentiles; 50 refers to the 50th percentile as average, and may not be the testing average for some tests. Alan D. Thompson. April 2023. https://lifearchitect.ai/iq-testing-ai/