

Gen AI Introduction - Notes

What is GenAI?

You give the AI some data, and using that data, that AI gives you whatever you ask it for. Main thing to know is that it's a field.

What is CHATGPT?

A revolution that almost transformed the way we interact with computers. What are some of it's capabilities?

- Web browsing
 - Advanced data analysis
 - Image processing
 - Voice interaction
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What are the differences between ChapGPT, GPTs, and LLMS?

- Large language models that basically understand and generate natural language.
 - GPT's are a type of LLM.
 - ChatGPT is the application built on GPT's
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What is Natural Language Processing?

It's a field of the idea of computers being able to understand language. Divided into 3 main categories:

1. Things like machine translation
 2. Things like human senses
 3. Things like text-to-speech and automatic speech recognition
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What is next word prediction?

Given a sequence of words, find the next words. Essentially chooses the next word in a sentence just by filtering words with the highest probability of occurring, and choosing the top result.

What is N-Gram language?

First early rendition of language models in the pre-deep learning era
Problems?

1. Seed text might not exist in the training data
 2. Exact phrasing might not exist.
Talked about Neural networks..(don't need to know for class)
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