

Story 2: Alex Explores LLM Challenges

Continuing from the last lesson where we learned about Large Language Models prompt, prompt engineering, tokens and fine tuning, Alex now explores the challenges of working with LMS, like Chat GPT etc.

Alex noticed that these powerful tools weren't perfect and sometimes made mistakes.

Occasionally, LLMs would generate content that wasn't true, creating stories from their own imagination. Well, Alex learned that this was called **hallucination**, that is when AI produces information not based on facts or input data.

Other times, Alex observed that LLMs might perform well on familiar topics but struggle with new information. This problem, called **overfitting**, occurs when A.I. models remember too many specific details from their training data.

Alex also discovered that LLMs could be **biased**, sometimes favoring certain ideas based on their training data.

This realization helped Alex understand the importance of diverse and balanced data in artificial intelligence development. In the next session, we will learn about LLMs special abilities.