AI: Unleashing the Power of Large Language Models

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Chapter 1

Welcome

The rapid advancement of Artificial Intelligence (AI) presents both challenges and opportunities for ed- ucators and students alike. Professors are confronted with the daunting task of addressing the emerging issue of academic dishonesty fueled by AI technology. With tools that can generate essays, solve problems, and even mimic human responses, detecting plagiarism and ensuring the authenticity of students' work becomes increasingly complex. This challenge compels educators to adapt their teaching methodologies, implement innovative assessment techniques, and employ AI-powered plagiarism detection tools to maintain academic integrity and uphold the value of education

Introduction to Artificial Intelligence (AI)

Brief history and evolution of AI

Types of AI: Narrow AI vs. General AI

AI applications in various industries

Understanding Large Language Models

What are large language models?

How do they work? (Transformer architecture)

GPT (Generative Pre-trained Transformer) models overview

Exploring ChatGPT

Introduction to ChatGPT and its capabilities

Use cases of ChatGPT in real-world scenarios

Exploring to LLaMA-v2

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Exploring to Bard

Introduction to Bard and its capabilities

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Image generation

Ethics and Challenges

Bias in AI and language models

Mitigating bias and ensuring fairness

Ethical considerations in deploying AI models

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The role of human-AI collaboration in the future

Adapting methodologies in the classroom

Q&A and Wrap-up

Open discussion for participants to ask questions and share insights

Recap of key takeaways from the workshop