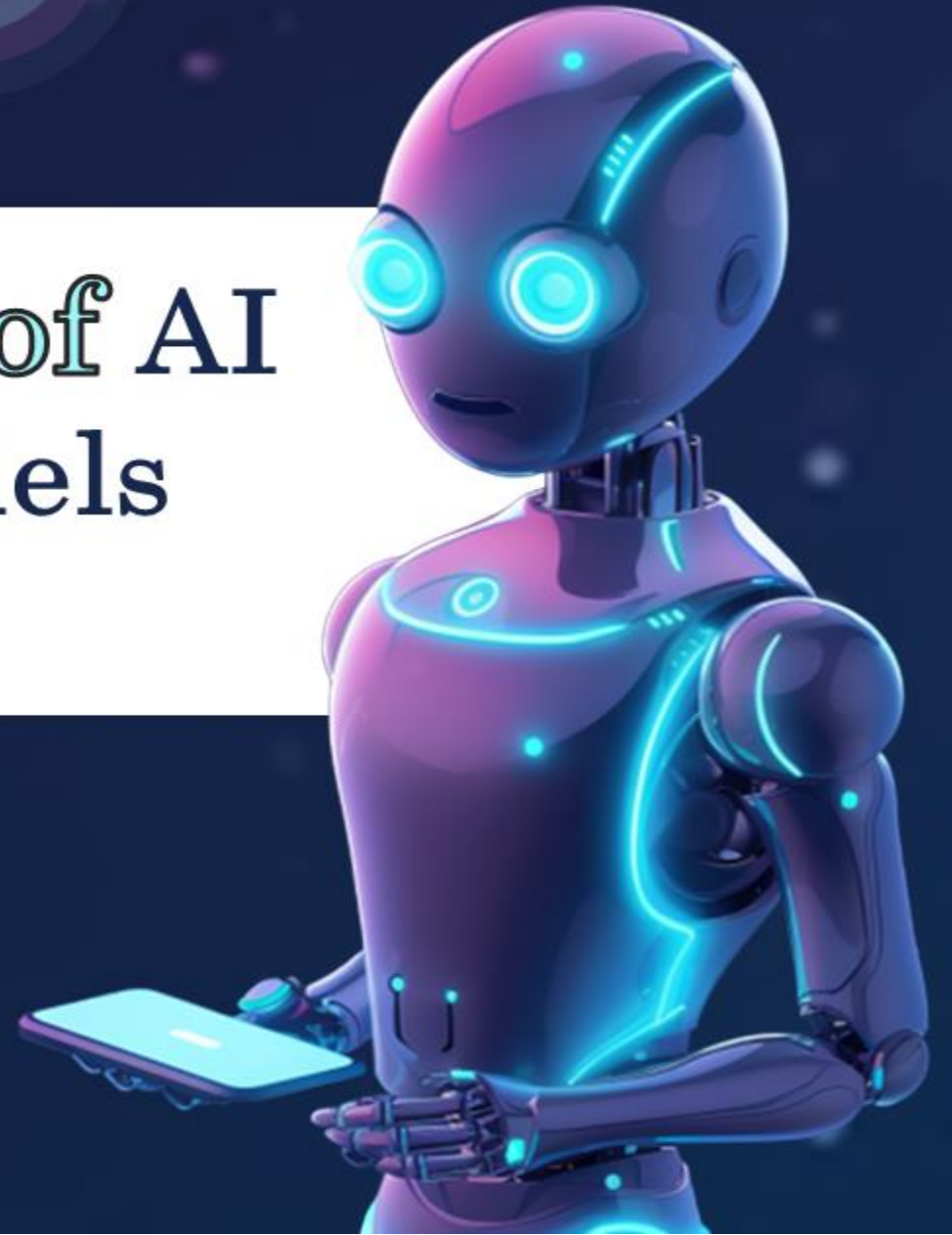# Ultimate Showdown of AI Powered Language Models ChatGPT vs Bard

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Table of contents

Ultimate showdown of AI powered language models: ChatGPT vs Bard
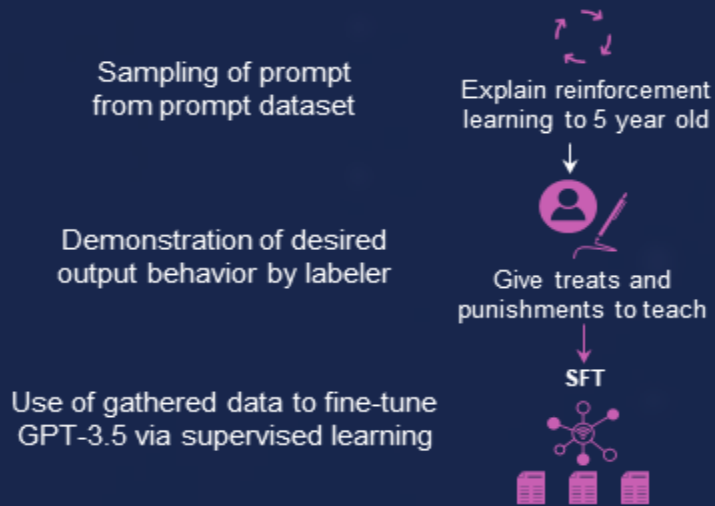
01

Introduction to ChatGPT

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Understanding working of ChatGPT powered by OpenAI

This slide represents the working of AI technology designed to understand and generate human-like texts based on received inputs. It includes steps such as gathering demonstration data and train supervised policy, gathering comparison data and training reward model etc.
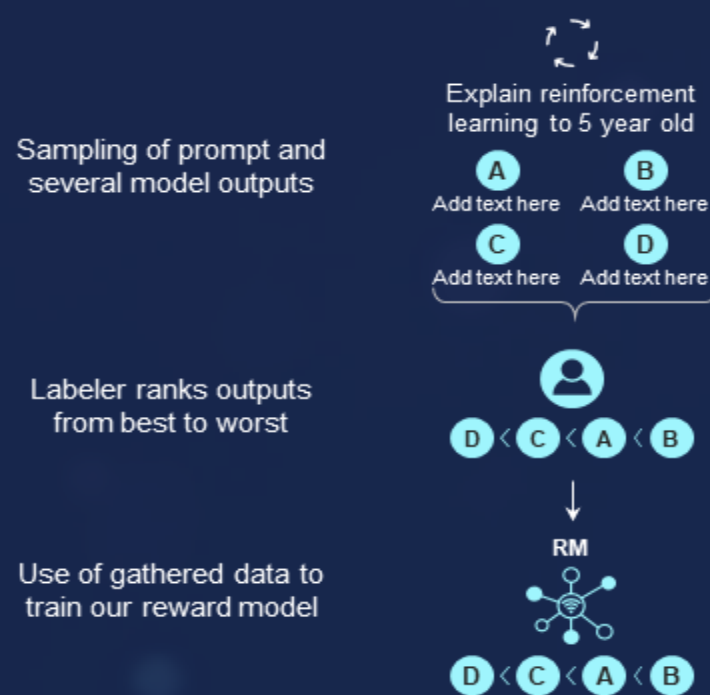
01 Step
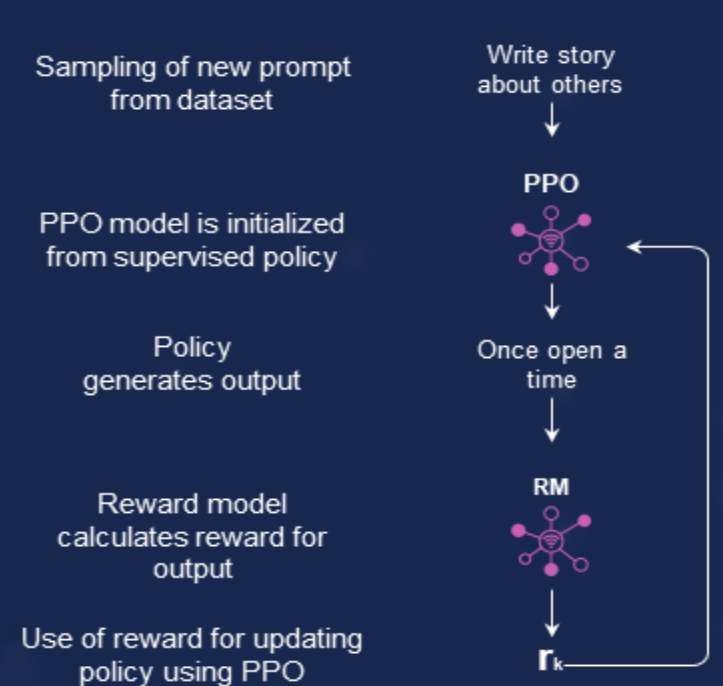
Gather demonstration data and train supervised policy

Sampling of prompt from prompt dataset

Demonstration of desired output behavior by labeler

Use of gathered data to fine-tune GPT-3.5 via supervised learning

Explain reinforcement learning to 5 year old

Give treats and punishments to teach

SFT

02 Step

Gather comparison data and train reward model

Sampling of prompt and several model outputs

Labeler ranks outputs from best to worst

Use of gathered data to train our reward model

Explain reinforcement learning to 5 year old

A — Add text here
B — Add text here
C — Add text here
D — Add text here

D < C < A < B

RM

D < C < A < B

03 Step

Rejuvenate policy against reward model using PPO reinforcement learning algorithm

Sampling of new prompt from dataset

PPO model is initialized from supervised policy

Policy generates output

Reward model calculates reward for output

Use of reward for updating policy using PPO

Write story about others

PPO

Once open a time

RM

r_k

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Use cases of Google Bard AI technology

This slide covers details related to key applications of conversational AI chatbot from Google build using Language Model for Dialogue Application (LaMDA) and machine learning technologies. It includes details related to applications of Google bard in content generation, creative writing etc.

Content generation

o Automates content generation for:
  - Websites
  - Social media accounts
  - Online platforms
o Aids businesses and individuals to save time and resources while maintaining consistent and high-quality content stream

Creative writing

o Designed to generate creative writings such as poetry, short stories and articles
o Ideal tool for users experiencing writer's block and authors that wish to experiment new writing skills and topics
o Aids users to optimize writing procedures
o Add text here

Marketing and advertising

o Aids businesses to generate creative and engaging marketing and advertising copy such as taglines, slogans, marketing emails and product descriptions
o Aids businesses to attract and retain customers by efficiently creating strong brand identity
o Add text here
o Add text here

Education

o Used to teach students regarding creative writing, literature and language
o Teachers use Bard to generate writing prompts and create examples of various writing styles and structures
o Used as virtual tutor to help students with challenges related to complex subjects
o Add text here

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16

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