



Practical Improvement
Advisory Group

Introduction to AI CHATGPT Prompting

Basic to Advanced Techniques

```
NSE: Loae 285 scripts for s
NSE: Script Pre-scanning.
Initiating NSE at 11:46
Complete NSE at 11:46, 10
Initiating NSE at 11:46
Complete NSE at 11:46, 0.
Initiating NSE at 11:46
Complete NSE at 11:46, 0.
Pre-scan script results:
broadcast-igmp-iscovery:
10.0.0.1
Interface: en0
Version: 2
Group: 224.0.0.2
Description: All Router
10.0.0.1
Interface: en0
Version: 2
Group: 224.0.0.22
Descriptio
```





Practical Improvement
Advisory Group

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Certified Six Sigma Black Belt
TeamSTEPPS Master Trainer



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Denham Springs, LA





Services



ADVISORY

Practical Improvement LLC brings a wealth of expertise across a spectrum of services, ensuring your organization unleashes its potential.



FACILITATION

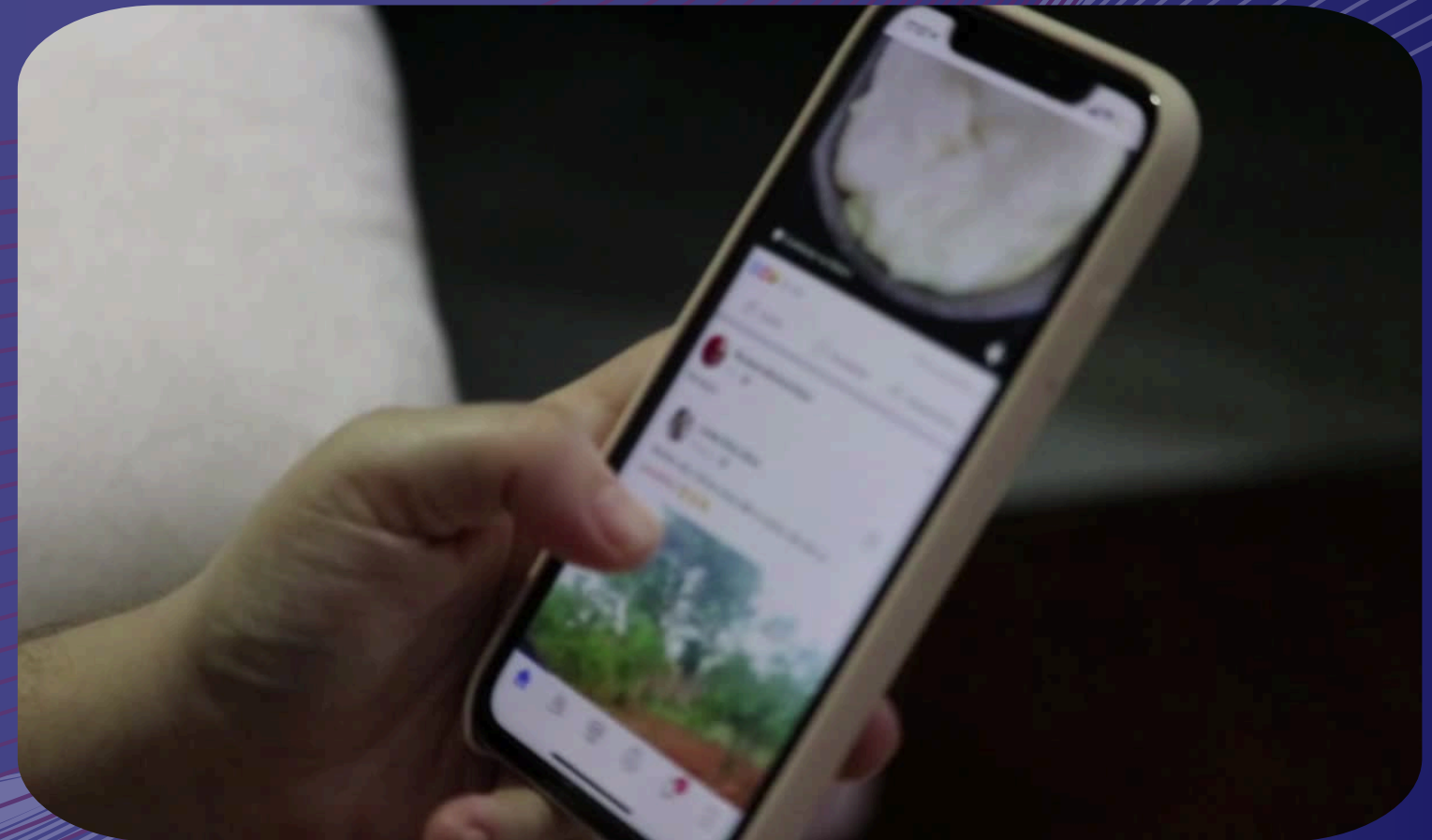
Practical Facilitation is designed to turn time-consuming gatherings into efficient, engaging, and productive sessions.



TRAINING

Your organization is unique and so are your challenges. Practical Improvement offers customized training solutions to meet your needs.

Healthcare - Manufacturing - Government - Business





would ai eventually be able to mimic a project manager or pi facilitator in managing a project including analysis, data aggregation, reports, presentations, and scheduling?



Yes, AI has the potential to mimic a project manager or PI facilitator in managing a project, including tasks such as analysis, data aggregation, reports, presentations, and scheduling. In fact, some aspects of project management are already being automated using AI technologies.



For example, AI can be used to analyze project data and make predictions about project timelines, costs, and risks. AI algorithms can also be used to automate the collection and aggregation of project data from various sources, such as project management tools, databases, and sensors.

In addition, AI can be used to generate reports and presentations that summarize project progress and highlight key performance indicators. This can save project managers and PI facilitators a significant amount of time and effort in preparing these materials.

However, it is important to note that AI cannot replace the human skills and judgment required for effective project management. Project managers and PI facilitators play a crucial role in interpreting and acting upon the insights generated by AI systems, and in making strategic decisions based on their understanding of the project goals and constraints.

TEXAS

Have It Your Way! McDonald's first fully automated restaurant —with no human contact in Fort Worth

by: Annita Hamilton Freeman

Posted: Apr 21, 2023 / 09:47 PM CDT

Updated: Apr 21, 2023 / 09:47 PM CDT



healthnews

News

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Health conditions

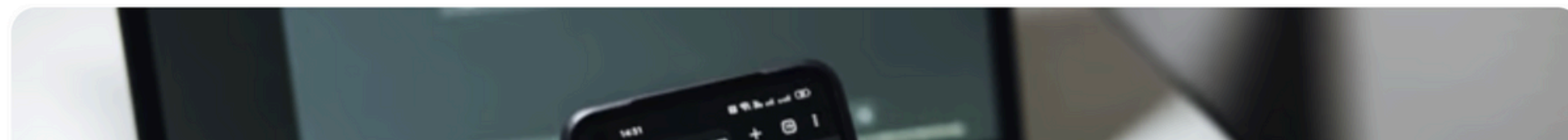
Home → News

AI May Be More Empathetic Than Real Doctors



[Penny Min](#)

🕒 May 01, 2023

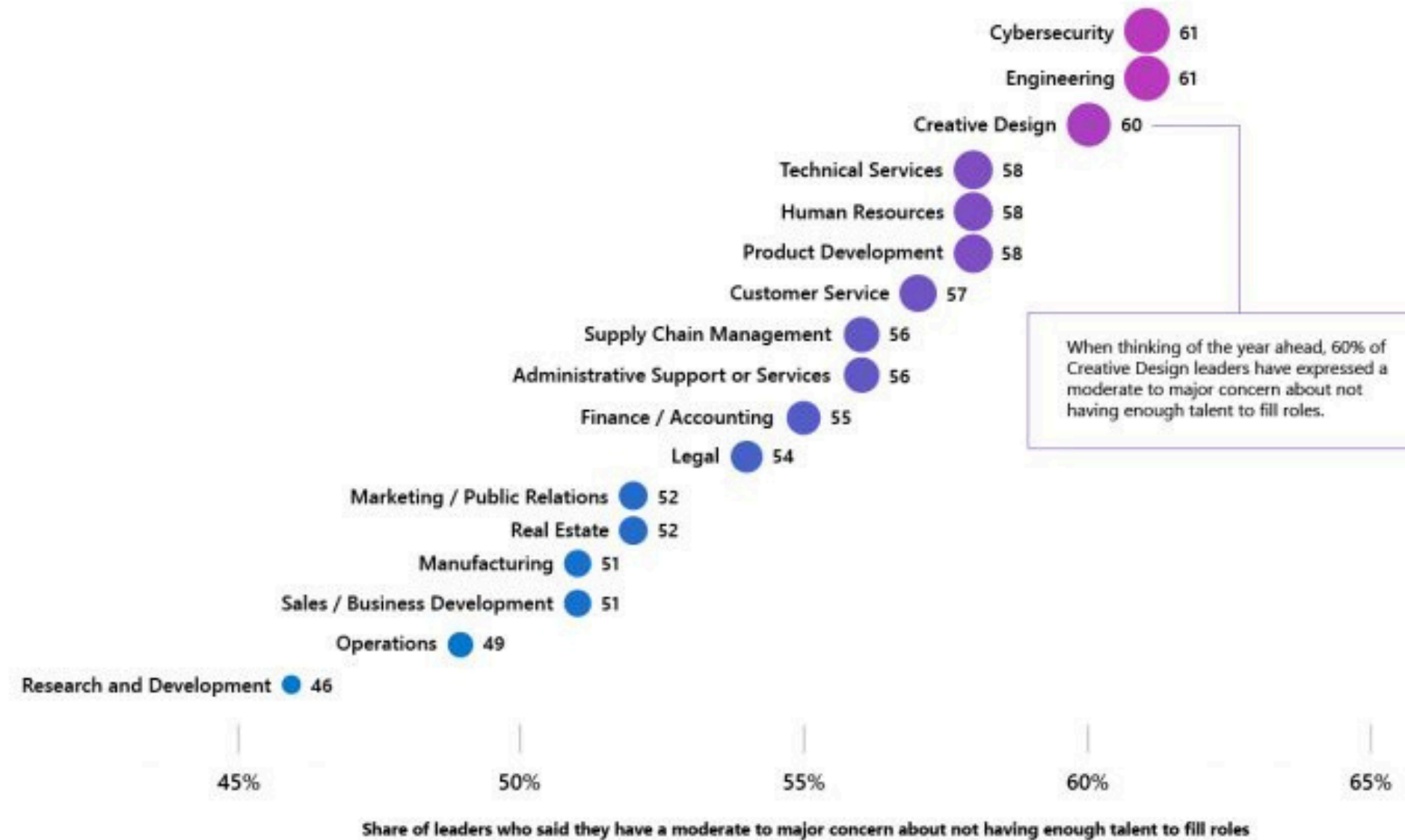


Latest news

2024 Work Trend Index Annual Report - Microsoft and LinkedIn

The Hidden Talent Shortage

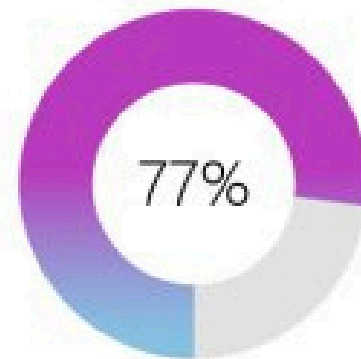
While employees fear job loss due to AI, most leaders worry they can't fill key roles.



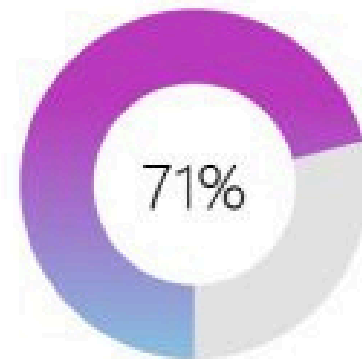
2024 Work Trend Index Annual Report - Microsoft and LinkedIn

The New Hiring Imperative

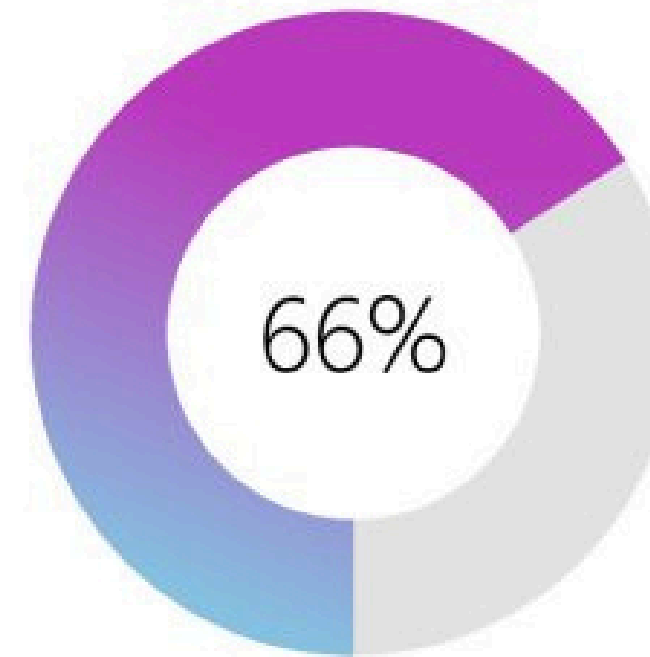
AI aptitude takes center stage.



Leaders say early-in-career talent will get greater responsibilities due to AI



Leaders are more likely to hire a less experienced candidate with AI skills than a more experienced one without them



Leaders would not hire someone without AI skills

2024 Work Trend Index Annual Report
From Microsoft and LinkedIn

Survey question:

- To what extent do you agree or disagree with the following statements about generative artificial intelligence's (AI's) impact on skills?
- I would be more likely to hire a less experienced candidate with AI skills than a more experienced candidate without AI skills
 - In considering job candidates, I would not hire someone without AI skills
 - Because they can delegate more work to AI, early-in-career talent will be given greater responsibilities

Agenda

list of things

to be done;

plan or pro

for what is

CHAT GPT
Basics

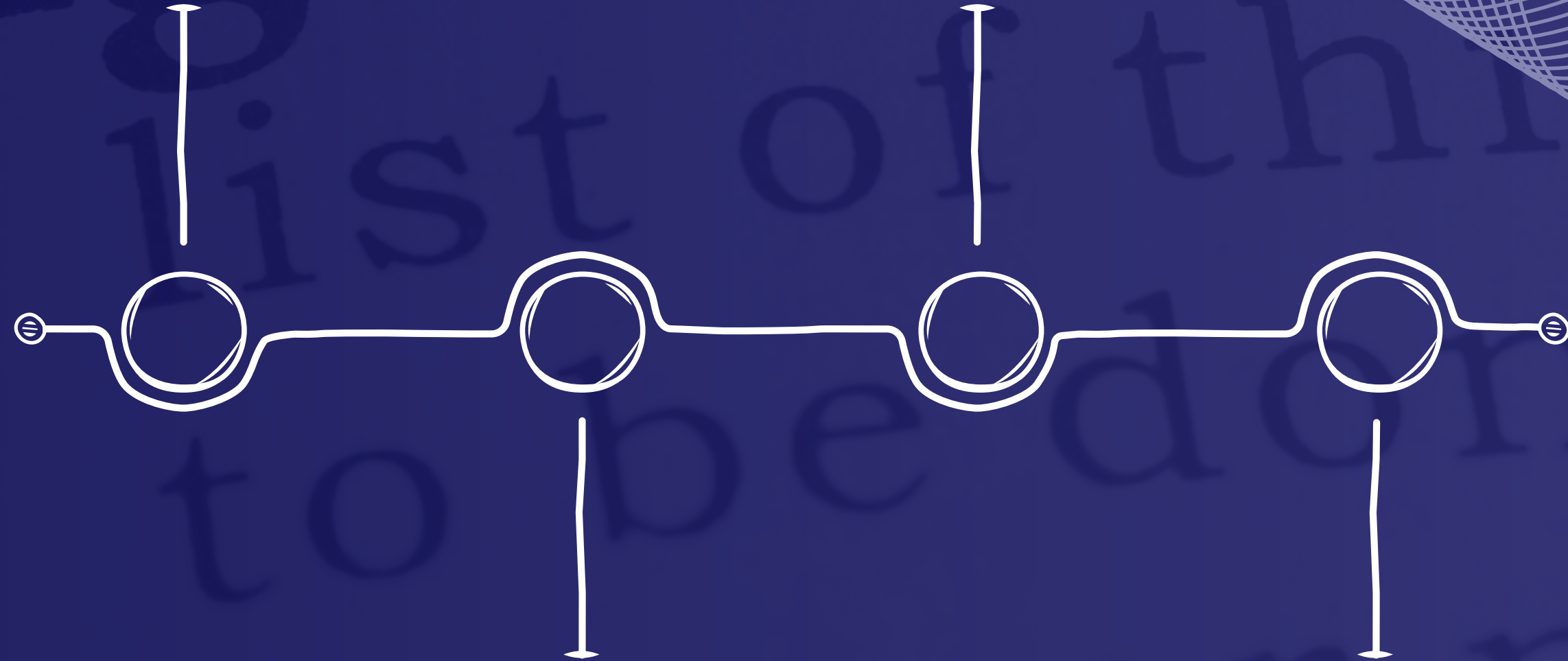
Introduction to
LLMs/ GPTs

Excercises

Review /
Q&A

Prompting:
From Beginner
to Advanced

Advancements



NAVIGATING CHAT GPT

The screenshot shows the ChatGPT web interface. At the top, the browser address bar displays 'chatgpt.com'. Below it, a sidebar on the left contains a 'New chat' button and a list of previous conversations. The main chat area on the right features the OpenAI logo and the text 'How can I help you today?'. Below this, there are four suggested prompts in rounded rectangular buttons: 'Write a thank-you note to my interviewer', 'Suggest fun activities to help me make friends in a new city', 'Plan a trip to experience Seoul like a local', and 'Explain nostalgia to a kindergartener'. At the bottom, there is a text input field with the placeholder 'Message ChatGPT' and a send button.

chatgpt.com

E-Commerce Editin... E Commerce - Com... Practical Improvem... Practical Improvem... Practical Improvem... Practical Improvem... Office Phone

New chat

Previous 30 Days

User question, AI answer.

AI Summarizes User Request

2023

Circle Area: 1.7 cm²

Flappy Bird Game Code

Entergy Utility Relocation Request

MacSlick: Horror Tragedy

ChatGPT Assistance: Language A

AI Assistant: ChatGPT Title: AI Info

Electrical Line Inquiry

Quality Assurance Leadership.

Chrome extension integrating Cha

Toyota Kata Methodology.

Axolotl T-shirt Company

Digital Downloads Launch

Starting Online Stores.

Midjourney Prompts Creation.

CMS Proposed Rule Summary.

Upgrade plan
Get GPT-4, DALL-E, and more

L Larry Daigle

ChatGPT

How can I help you today?

Write a thank-you note
to my interviewer

Suggest fun activities
to help me make friends in a new city

Plan a trip
to experience Seoul like a local

Explain nostalgia
to a kindergartener

Message ChatGPT

ChatGPT can make mistakes. Check important info.

Introduction to AI and Language Models and GPTs

- What is AI?
- Understanding Language Models
- The Role of ChatGPT

Exercise: Let's Ask Chat GPT

01

What is AI? LLM? GPT?

02

What are you?

03

How do you work?

04

In what ways can you help me?

KEY TERMS

GPT:

- Generative: Creates text.
- Pre-trained: Trained on vast text data.
- Transformer: Neural network architecture used for natural language processing.

GPT-4: The latest AI model powering ChatGPT

OpenAI: The company that built ChatGPT and GPT-4

Prompts: Written instructions given to ChatGPT

Prompt Engineering: The technique of crafting the correct prompts to get your desired output

KEY TERMS

| Type | What It Does | Key Features | Where It's Used |
|-------------------|--|--|--|
| General AI | Mimics broad human abilities to understand and apply knowledge. | Solves problems generally, adapts to various situations. | Mostly theoretical: advanced decision systems. |
| Narrow AI | Performs specific tasks like a tool, within set limits. | Focused and precise, does not think or understand. | Siri, Alexa, face ID in phones. |
| GPTs | Creates text that sounds like it was written by a human. | Writes based on prompts, used for different writing tasks. | Chatbots, writing apps, helping with creative ideas. |
| RAG / API | Uses stored information to make AI responses more accurate and detailed. | Pulls from databases to improve answers. | Answering complex questions with accurate details. |

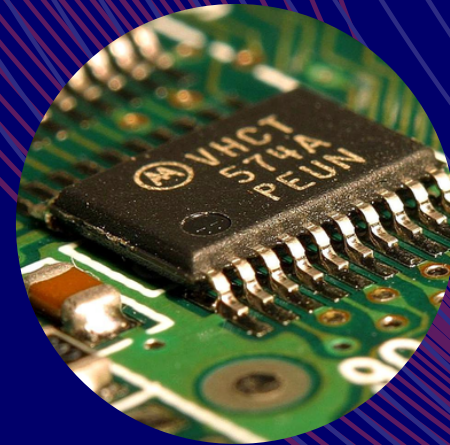
HISTORY OF ARTIFICIAL INTELLIGENCE



Early Civilization

Desire to Be Like the Gods
Develop Tools to enhance abilities.

1940-1980's
Turing Computer
Turing Test
Computer's more widely used



1990's
Desktop computers
Beginning of machine learning
The If...Then Statement

2000-2011
Machines started to outperform humans in specific tasks.



2011-2020
Machine Learning and Neural Networks aid in medical diagnosis.

2020's
Large Language model brought ai to the masses



Near Future
AI as a personal assistant



ChatGPT generates its responses through a combination of several processes.

Input Processing:

When a user types a query or prompt, it is converted into a format that the model can understand. This typically involves tokenization, where the input text is split into smaller units called tokens.

Context Understanding:

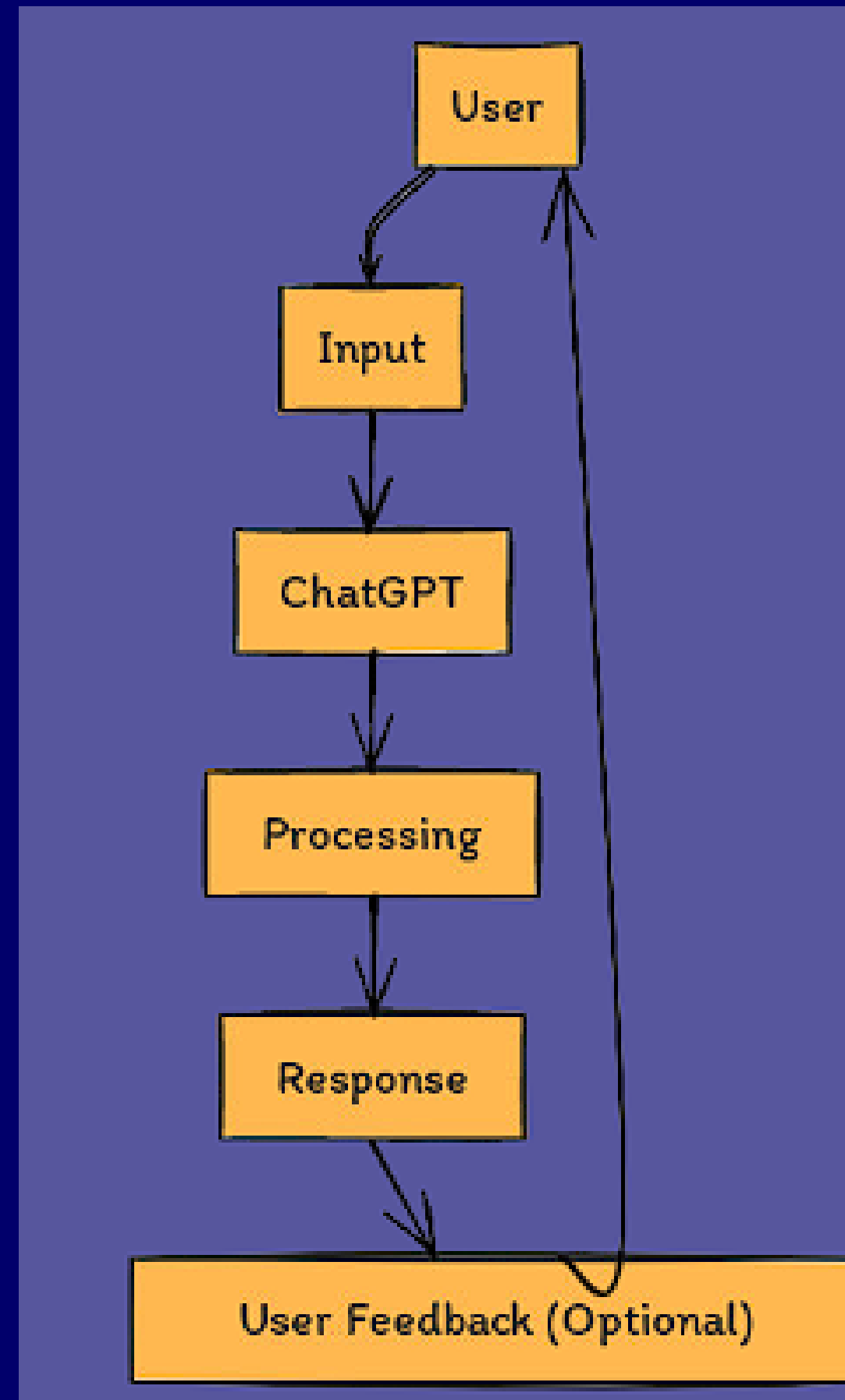
The model uses the input tokens to understand the query's context. It considers the meaning and relationship between words to grasp the overall context.

Model Architecture:

ChatGPT is built on the Transformer architecture, which includes layers of self-attention mechanisms. These mechanisms help the model weigh the importance of different words in the input and capture long-range dependencies in the text.

Training Data:

The model has been trained on a vast amount of text data from various sources, including books, articles, websites, and more. This training data provides the model with a broad understanding of language, facts, and common knowledge.



Generating Responses:

Once the input is processed and the context is understood, the model generates a response by predicting the next token in a sequence based on the input and its training. It does this iteratively until a complete and coherent response is formed.

Fine-Tuning:

By training the model further on specialized datasets, it can be fine-tuned for specific tasks or domains, improving its performance and relevance in particular areas.

Post-Processing:

The generated response may undergo post-processing to ensure it is grammatically correct and contextually appropriate. This step may also involve filtering out any inappropriate or harmful content.

User Feedback:

Continuous user feedback helps improve the model. The model can be updated and refined by analyzing interactions and learning from mistakes to provide better responses over time.

This process enables ChatGPT to generate responses that are contextually relevant, informative, and coherent based on the input it receive

Applications & Use Cases

1

Content Creation & Editing: ChatGPT can assist in drafting articles, blog posts, and other written content. It can provide ideas for creative writing, suggest edits for clarity and grammar, and even help with generating poetry or storytelling.

2

Customer Service: ChatGPT can be used as a first line of support in customer service, answering frequently asked questions and guiding users through basic troubleshooting steps.

3

Tutoring: ChatGPT can serve as a learning aid in a variety of subjects, explaining concepts and answering academic questions.

4

Programming Help: ChatGPT can assist in generating code snippets, providing documentation, and troubleshooting code issues.

5

Brainstorming / Creativity: ChatGPT is excellent at generating idea starts and suggestions on any topic.