

Impact of CHAT GPT on Librarians



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Agenda

- What is ChatGPT?
- “How ChatGPT Can Change the Future of Libraries”.
- History of ChatGPT
- Use of ChatGPT in libraries
- Advantages of ChatGPTt in libraries:
- Disadvantages of ChatGPT using library service:

What is Chatgpt?

- ChatGPT is a natural language processing tool driven by AI technology that allows you to have human-like conversations and much more with the chatbot. The language model can answer questions and assist you with tasks, such as composing emails, essays, and code.
- ChatGPT was created by OpenAI, an AI and research company. The company launched ChatGPT on November 30, 2022.

“How ChatGPT Can Change the Future of Libraries”.

- If you asked ChatGPT some test questions, and find that it is particularly useful when it comes to writing book summaries, brainstorming ideas for programs, and answering simple reference and reader's advisory questions (not with 100% accuracy - however this will improve in the future). Other users have used it for copywriting (e.g. blog posts, marketing materials, etc.), writing code for websites, writing emails, etc. If it becomes a universal tool at work in the future

History of ChatGPT

- GPT 1 The first model in the GPT (generative pre-trained transformer) series, known as GPT-1, was revealed in June 2018 and has 117 million parameters. This established the fundamental framework for ChatGPT as it exists today. Using books as training data, GPT-1 showed the effectiveness of unsupervised learning in language comprehension tasks by predicting the next word in a sentence.
- GPT 2: With 1.5 billion parameters, GPT-2, which was released in February 2019, was a major update. It generated multi-paragraph prose that was coherent and demonstrated a significant advancement in text production skills. But GPT-2 was never made available to the general public because of the possibility of abuse. November 2019 saw the model's final release after OpenAI carried out a phased deployment to assess and reduce any possible dangers.

History of ChatGPT

- In June 2020, GPT-3 represented a significant advancement. There were an astounding 175 billion parameters used to train this model. Due to its sophisticated text-generation features, it was widely used for a wide range of tasks, including composing articles, emails, poems, and even computer code. It also showed that it could translate between languages and provide factual answers to questions.
- The release of GPT-3 signaled a turning point in history as people began to recognize this ground-breaking technology. While the models had been there for a while, it was only with GPT-3 that users could communicate directly with ChatGPT, ask it questions, and get thorough and useful answers. It was evident how significant this technology would become when users could engage with the large language Model (LLM) in this way.

Use of ChatGPT in libraries

- Example USES Essays & research papers Thesis and Dissertations Research proposals Input text. The shift to agriculture took thousands of years. Paraphrased text The transition to an agricultural society spanned several millennia.

Use of Chatgpt in libraries

- I. Virtual reference services: Chat GPT can be used to deliver virtual reference services to library patrons. Patrons can ask questions through the chatbot and receive answers in real-time, 24/7, without having to wait for a librarian to be available. Chat GPT can be programmed to provide basic information about library services, collections, and policies, as well as assist with more complex research questions
- II. Reader's advisory: ChatGPT can be used to provide personalized reading recommendations to library users based on their reading preferences, genres, and authors.

Use of Chatgpt in libraries

- III. Catalog searching: Patrons can use ChatGPT to search the library catalog for books, articles, and other materials. ChatGPT can use natural language processing to understand user queries and provide relevant search results
- IV. Collection development: Chat GPT can be used to assist librarians in collection development by analyzing patron queries to identify topics and subjects that are in high demand. Chat GPT can also be used to analyze data on book circulation and popular trends in order to identify areas where the library's collection could be expanded or updated

Use of ChatGPT in libraries

- V. Language translation: Chat GPT can be used to provide language translation services to patrons. By integrating Chat GPT with translation tools, patrons can communicate with the library in their native language, and the chatbot can provide responses in the language of their choice
- VI. Book recommendations: ChatGPT can analyze user reading preferences and recommend books based on those preferences. This can be useful for users who are looking for new reading material or are unsure of what to read next

Use of Chatgpt in libraries

- VII. Interactive tutorials: ChatGPT can be used to provide interactive tutorials on library resources and services. For example, it can guide patrons through the process of accessing electronic resources, such as databases and e-books.
- VIII. Chatbot for FAQs: ChatGPT can be trained to answer frequently asked questions (FAQs) about the library's policies, services, hours, and other information.

Use of Chatgpt in libraries

- IX. Provide Accessibility to disabled Patorns: ChatGPT can be used to provide accessibility services for patrons with disabilities. For example, ChatGPT could be used to provide audio descriptions of visual content or to provide transcripts of video content.
- X. Language learning: ChatGPT can be used to provide language learning resources and practice exercises. Patrons could interact with ChatGPT to receive suggestions for language learning materials or to practice speaking and writing in a new language

Advantages of ChatGPT in libraries:

- I. Time-saving: Instead of spending a significant amount of time searching for information on the internet, ChatGPT can use library services to quickly access relevant and reliable sources.
- II. Quality information: Libraries are known for providing quality information from reliable sources. This can help ChatGPT avoid providing inaccurate or misleading information to users.
- III. Up-to-date information: Libraries constantly update their collections with new information, making it possible for ChatGPT to access the latest research and trends on various topics

Advantages of Chatgpt in libraries:

- VI. Research Assistance: Many libraries offer research assistance services that can help ChatGPT with more complex questions or research projects.
- V. Collaborative Opportunities: Libraries often have collaborative spaces where individuals can work together on projects or share knowledge. ChatGPT can
- VI. Multi-lingual support: Many libraries offer resources in multiple languages, which can help ChatGPT provide responses in different languages and expand its user base.
- VII. Access to specialized resources: Libraries often have resources that are not readily available on the internet, such as rare books, manuscripts, and archives. These resources can be invaluable to ChatGPT in providing unique and specialized information.

Disadvantages of ChatGPT using library service:

- I. Access to a wide range of information: Libraries offer a vast array of books, journals, articles, and other resources on various topics. By using library services, ChatGPT can access this information, which can help it provide more accurate and detailed answers to users' questions
- II. Plagiarism: Using ChatGPT to generate text can make it easier for researchers to engage in plagiarism by presenting text generated by the model as their work. AI-powered writing tools can make plagiarism-free text or less plagiarism by paraphrasing.

Disadvantages of ChatGPT using library service:

- III. Limitations in customization: ChatGPT's use of external services may limit the extent to which it can be customized or tailored to specific use cases. The services it relies on may have their own limitations and constraints, which may prevent ChatGPT from providing the most optimal or relevant responses to certain queries.
- IV. Privacy and security concerns: ChatGPT's use of third-party services may raise concerns around data privacy and security. If sensitive information is shared with ChatGPT, it may be processed and stored by these external services, which could potentially expose it to security risks or data breaches.
- V. Cost: Some external libraries and services may come at a cost, which may make it difficult for smaller organizations or individuals to use ChatGPT to its full potential.
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Disadvantages of ChatGPT using library service:

- VI. Overall, the use of Chat GPT in library services has the potential to revolutionize the way libraries operate and interact with patrons. However, it is important to also consider the potential ethical implications and limitations of using AI in these contexts

Conclusion

- After presenting advantages and disadvantages I conclude this presentation that Chatgpt is new trend in libraries and very useful but have limitation.

