

Short Communication

Artificial Intelligence: The Evolved Space For Library, The Perpetually Growing Organism

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Abstract: Artificial Intelligence (AI) is starting to affect every sphere of life. It is taking humanity to another level. The expansion capability of its effects is enormous. It is going to change everybody's lives. In this article its impact on library and its future is studied. AI tools like ChatGPT and its influence on libraries, AI taking up the important roles of an ever-expanding library in the future.

Keywords: ChatGPT; Artificial Intelligence; Library

Introduction

Artificial Intelligence or simply AI refers to the simulation of human perspicacity by the availability of software-coded heuristics. The term is frequently applied to the project of developing systems endowed with the astute process in line with the characteristics of human beings such as the faculty to reason, discover, construal, generalize or learn from past experiences.

The year 2022 brought AI into the mainstream widespread familiarity with applications of generative Pre-Training Transformer. The most popular application is OpenAI's ChatGpt. The widespread fascination with ChatGpt made it synonymous

with AI in the minds of most consumers. However, it represents only a scintilla of the ways that AI technology is being used today.

Artificial Intelligence (AI) and Library

Just like other areas of our lives, Artificial perspicacity has adscititiously entered libraries in the form of chatbots that can handle directional questions on a library website, alert when a book is due, point a utilizer to pertinent library resources or answer simple informational requests. In the future, AI will influence the way information can be connected and found in even more exhilarating ways. Librarians have insight into how their clients search for and use information and can consequently actively support the development. This might mean to bring a text and data mining implement to an internal dataset or avail a project team find incipient insight from subsisting data. Or to acquire a data visualization implement to avail users find unexpected connections in the published literature. By optically canvassing and exploring how information flows within their organization, librarians can identify points at which information could be transformed or utilized in entirely incipient ways.

IFLA's (International Federation of Library Associations and Institutions) statement on AI and library is another aspect that give a clear picture on the ever growing importance of AI. According to IFLA "The adoption of Artificial Intelligence (hereafter "AI") and machine learning in private and public spheres is rapidly growing. This policy statement aims to outline key considerations for the use of these technologies in the library sector and suggest the roles which libraries should strive to take on in a society with growing AI integration. " As AI technology develops, several AI and machine learning (ML) applications may be able to introduce incipient accommodations and functions to libraries. For example, AI and ML technologies could sanction libraries to amend optical character apperception of texts or make incipient utilizations of their machine-readable library amassments whether for libraries themselves, patrons or researchers.

Ask A Librarian

Ask a Librarian is a consequential feature that connects users with research assistance through chat. It is a collaborative virtual reference accommodation, that connects students, faculty members, and researchers from participating of mostly university and college libraries with genuine-time library and research assistance through chat.

Chat GPT

ChatGPT is a potent artificial astuteness bot developed by Open AI. Its makers Altman, Musk, and other Silicon Valley investors engendered an artificial perspicacity research nonprofit organization in 2015 and unveiled it to the world on 30th November 2022. ChatGPT is Chat Generative Pre-Trained Transformer. It is a potent AI bot that is capable of

understanding human verbalization and engendering in-depth inditing that is facilely understood by humans. The question-answer format use in ChatGPT makes it intriguing.

Utilization of ChatGPT in Library Accommodations research is a relatively incipient but promising development. In the context of library accommodations research, ChatGPT can be habituated to automate certain tasks such as answering reference questions, providing recommendations for books or articles and availing with information retrieval. This can potentially free up library staff to fixate on more intricate and personalized patron interactions, while additionally providing more expeditious and more efficient accommodation to patrons.

Like ChatGPT, librarians have been trained to learn what people betoken predicated on the questions they ask. AI chatbots are already being utilized by libraries to answer rudimental reference questions and refer harder ones to librarians. ChatGPT is simply an extension of that current accommodation. Librarians can avail researchers by providing tips in asking the right questions to get the best results. These implements supplementally free up librarian time to fixate on more intricate research queries or tasks. Adscititiously, they provide 24/7 accommodation, consummating a desideratum librarians can't always provide.

In an article published in "India Today", writer Ankita Chakravarty gave a clear picture about a Reuters report that has revealed that ChatGPT has authored more than 200 books as the Amazon Bookstore lists the AI tool as the author of those books. The report further reveals that the number of books written by AI can be much higher than the written count as Amazon policies do not require users to disclose the use of AI in their books.

Artificial Intelligence (AI) changing libraries in the future

i)Automatic mobile libraries-

AI based robots that would be mobile would add to the presence of traditional libraries and would take the information to the users on request by the user through a mobile application. This kind of services can cater to both the digital information as well as physical books. The technology is realistic and is already applicable in restaurants and workplaces satisfying the commercial needs in some developed countries, but with technological advances such services will be provided free of cost to the users as part of libraries as costs of these technologies will come down and government and crowd funding could make it possible for libraries.

ii) Audio-video thought library-

Users may have come across many popular books converted into movies. In the future on a visit to the library the users will have the option of choosing manual read or conversion of the book to video format with the template prepared

with AI technology. Traces of such technology exist today in the form of “Deep nostalgia” that puts motion to static photos into moving pictures, basic technology for that future.

Conclusion

Information is now hugely available and accessible, which has led to the vicissitude of the accommodations of library professional. Now more than ever, they are pressured to ascend up to the prospects of society and most importantly convince them libraries can still be perceived as utilizable and an indispensability for the future of inculcation and access to exclusive information. This can be done by coming up with incipient, advanced accommodations that satiate the modern student.

On the other hand, less advantaged groups risk being left behind as a result of the inhibited access to the cyber world and ergo a lack of digital literacy. As libraries remain a public accommodation, they can avail spread parity in opportunities for not only digital knowhow but additionally learning incipient skills and ineluctably ameliorating the lives of students, regardless of their background.

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