

TRANSFORMING AUTODIDACTIC EXPERIENCES WITH CHATGPT - NEW CHALLENGES IN TEACHING-LEARNING

K. Balasubramanian¹

¹ Assistant Professor, Thiagarajar College of Preceptors (Aided), Madurai

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Abstract

Chat GPT, fueled by the high-level GPT-3 language model from OpenAI, has arrived at 1 million clients just in 5 days. Twitter, Facebook, Netflix, and Instagram could reach this number in 300, 1200, 75, and 720 days, respectively. GPT-3 could produce writing that closely resembles human language with 175 billion parameters. GPT-4, which was first made public on March 13, is much more creative, reliable, and nuanced. Chat GPT, backed by the GPT-4 model, can have multiple on going conversations, comprehend and respond to input in natural language, and provide personalized and interactive assistance. Because of this, ChatGPT is a promising tool for open education because it can increase autodidactic learners' independence and adaptability while also being practical. Chat GPT has the potential to boost autodidactic learners' motivation and engagement by providing tailored guidance, support, and feedback.

Keywords: ChatGPT, GPT-3, GPT-4, OpenAI, Autodidactic Experiences.

Introduction

The computerized world requires a specific sort of "self-teaching" profile, described by a strong motivation to learn, the capacity to find and successfully utilize advanced assets, and an eagerness to take responsibility for own way of learning. Managers are progressively looking for candidates with these characteristics as they are better prepared to explore the ever-changing landscape of the advanced world (Monitoring et al. 2022).

The process of learning on one's own, without the assistance of a teacher or instructor, is referred to as autodidactic learning or self-directed learning (Candy, 1991; Post, 1997). Autodidactic learning is characterized by the use of open educational resources (OER) and other open educational practices and relies on the learner's autonomy and independence to direct their learning process (Caswell et al., 2007).2008).

Learners can take charge of their development and learn through autodidactic learning, which enables them to learn at their own pace and in a manner that is tailored to their specific needs and objectives (Gureckis & Markant, 2012; OERs and other open educational practices are becoming more accessible, making it easier for any one to acquire high-quality learning resources and materials (Schweder & Raufelder, 2022). Education has become more affordable and accessible as a result of this (Caswell et al.). 2008), Chat GPT, a brand-new AI innovation developed by Open AI that attracted one million users in just five days (Haque et al. 2022), looks sufficiently optimistic to add this help.

There are numerous reasons why research in to Chat GPT's capacity to improve autodidactic learning is essential. It might guide the future of education and the application of technology to learning, as well as the methods and best practices for utilizing chatbots and other artificial intelligence (AI) tools in education. By understanding how Chat GPT can support the independence and independent study of autodidactic learners, educators and students can use these technologies to help and enhance their learning and development more effectively. Policy makers might be able to use the results of this study to come up with strategies for incorporating these technologies in to educational environments and procedures.

ChatGPT and Its Capabilities

ChatGPT, a chatbot, responds to user input by employing the GPT-3 language model (OpenAI, 2023). OpenAI's Generative Pre-trained Transformer 3, or GPT-3, is a large-scale language model with 175 billion parameters that can produce text. It has been prepared with an immense amount of information (Brown et al., 2020). One of ChatGPT's primary characteristics is its ability to comprehend and respond to input in natural language (OpenAI, 2023). ChatGPT takes advantage of the capabilities of GT-3 to respond to user input conversationally and naturally. Normal language handling (NLP) is utilized by Talk GPT to analyze client input and produce appropriate responses (LeCun et al., 2015). According to OpenAI, 2023, this makes it possible for users to converse with ChatGPT in a manner that resembles human conversation and is easy to understand. Another important feature of Chat GPT is its ability to provide customers with individualized and interactive assistance. With the utilization of clientinput, Visit GPT can change its answers and offer specific guidance and help. Chat GPT can be used to tailor recommendations for educational websites and products based on a user's preferences and learning goals.

Concerning specialized data, ChatGPT is frequently carried outasa chatbot that is got to through various stages, including a site, a cell phone application, ora messaging administration (OpenAI, 2023). ChatGPT can be contacted viavoice or text, and it will respond immediately. Chat GPT is frequently constructed to be able to manage multiple concurrent chats with various users to accommodate multiple users simultaneously. Chat GPT, a powerful chatbot, makes use of the GT-3 language model to provide users with personalized, interactive, and conversational assistance. Due to its capacity to comprehend and respond to natural language input, as well as itsability to provide individualized recommendations and assistance, it is a useful tool for encouraging the independence and independent study of autodidactic learners.

How the ChatGpt can Transform Autodidactic Experiences

The creation of artificial intelligence (AI) tools like ChatGPT has the potential to completely transform students' approaches to education and academics. The application of AI technology to learning has been demonstrated in related literature

(Patil and Abraham, 2010; 2022, Pham and Sampson). Man-made intelligence-based coaching projects can upgrade students' performance and inspiration in learning conditions (Srinivasa, Kurni and Saritha, 2022).

AI technologies like chatbots have the potential to enhance the learning experience and increase student participation in online courses by providing students with individualized and interactive assistance. Autodidactic learners can benefit from ChatGPT's ability to promote independence and independent study by providing individualized and interactive assistance.

ChatGPT may not only enhance learning experiences but also promote learners' autonomy by providing interactive, individualized assistance tailored to each learner's specific requirements and preferences. For instance, Chat GPT can be used to provide students with individualized recommendations for books and other resources or interactive tasks and activities tailored to their specific needs and learning goals. ChatGPT currently has several applications for self-directed learners. The five ways that ChatGPT could change interactions with self-directed learning areas follows:

1. **Customized help:** ChatGPT may be able to provide self-directed students with individualized, interactive assistance by adapting its suggestions and responses to the choices and objectives of each learner. This could be very helpful for students who might not have access to more conventional support networks like teachers or mentors.
2. **Guidance and feedback in real-time:** Self-teaching students can get on going feedback and bearing from Visit GPT as they progress through the course materials and resources. Students may find this helpful in staying on task and resolving any issues they encounter
3. **Expanded openness:** Because it can be accessed through a variety of platforms, including a website, a smartphone app, or a messaging service, learners who may not have access to conventional educational materials will find ChatGPT to be more accessible.
4. **Flexible and convenient education:** Because they can communicate with the chatbot when ever it is most convenient for them, autodidactic learners can study with ChatGPT at their own pace and on their terms.
5. **Utilizing open educational resources more effectively:** Self-directed students can use ChatGPT to find and use open educational materials because it can provide individualized suggestions and advice on how to use these resources effectively. Students may find this helpful in utilizing the numerous online learning resources and tools.
6. **Reflection and self-evaluation:** Students might use Talk GPT to ponder their progress and learning, as well as to pinpoint any regions where they could need further assistance or course.

Chat GPT can be used to provide personalized recommendations for learning materials and resources based on a learner's requirements and goals in addition to providing interactive games and exercises tailored to the learner's specific learning needs. Learning can be hanced, engagement and motivation can be boosted, and this

interactive and individualized support can help. The use of VisitGPT as a coach or tutor is another contemporary ChatGPT use for self-educated students.

Chat GPT may be utilized to encourage and provide students with feedback as they progress through learning materials and resources. Chat GPT can also be used to give students advice and support as they create their learning objectives and strategies to help them take control of their education. At last, the ChatGPT might be used as a self-assessment and reflection instrument. Learners can use Chat GPT to reflect on their learning and progress, as well as to identify any areas in which they may require additional guidance or assistance. Students can benefit from this process of self-evaluation and reflection by developing the skills and strategies they need to succeed as self-directed learners and by taking responsibility for their education and development.

Challenges of using ChatGpt in the Teaching-Learning

Lack of Expertise Assessment

ChatGPT may not have the ability to accurately assess the proficiency or understanding of students. It primarily generates responses based on patterns and examples in the training data, without deep comprehension or evaluation of the student's knowledge. This can make it difficult to identify and address gaps in learning.

Misinformation and Biased Responses

As an AI language model, ChatGPT generates responses based on patterns in the data it was trained on. If the training data contains biases or incorrect information, ChatGPT may inadvertently produce inaccurate or biased responses. This can be problematic, particularly in educational settings where the goal is to provide accurate and reliable information to students.

Lack of Adaptability

ChatGPT may struggle with adapting to different teaching styles or individual student needs. It cannot understand the unique requirements of each student or modify its responses accordingly. This limitation can hinder the effectiveness of personalized instruction, which is often crucial in educational settings.

Limited Context Awareness

ChatGPT's responses are influenced by the preceding conversation or prompt, but it may not have a comprehensive understanding of the broader context. It can sometimes misinterpret or overlook important details, leading to irrelevant or inaccurate responses. This can be particularly problematic in complex educational discussions that require nuanced understanding and accurate contextual information.

Limited Emotional Intelligence

ChatGPT lacks emotional Intelligence and empathy. It may struggle to provide appropriate emotional support or engage insensitive conversations with students. Understanding and addressing students' emotional needs are essential aspects of teaching that require human sensitivity and judgment, which may not be adequately replicated by an AI language model.

Over Reliance on Technology

Relying heavily on ChatGPT for teaching can lead to a reduced emphasis on human-to-human interaction, which is a vital component of effective education. Students benefit from direct interactions with knowledgeable instructors, engaging in discussions, and receiving personalized feedback. Over reliance on AI in teaching may hinder the development of important social and communication skills.

To overcome these challenges, it is important to use ChatGPT as a complementary tool rather than a substitute for human instruction. Teachers should critically evaluate and verify the information provided by ChatGPT, provide additional guidance and context, and ensure that students' individual needs and emotional well-being are adequately addressed.

Conclusion

AI technologies like ChatGPT may also pave the way for education's future. As a means of making education more accessible and more affordable, open learning, also known as the use of OER and other open educational practices, is gaining popularity. The incorporation of AI tools into open learning environments such as ChatGPT has the potential to further enhance learning and enhance learner autonomy. More research is needed because ChatGPT may have significant future effects on autodidactic learning. With regards to self-teaching learning, it is pivotal to remember that Visit GPT is still a moderate innovation, and more review is expected to get a handle on its potential and restrictions appropriately. Watching how ChatGPT and other AI technologies evolve and how they affect education will be fascinating.

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