

CHATGPT IN UZBEK LANGUAGE: OPPORTUNITIES AND LIMITATIONS

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Abstract. *Artificial Intelligence (AI) has rapidly transformed education, communication, and access to information worldwide. ChatGPT, an AI language model developed by OpenAI, offers significant opportunities for language learning, content creation, and interactive communication in multiple languages, including Uzbek. This study investigates the advantages and limitations of using ChatGPT in the Uzbek language. A qualitative research method was employed, reviewing scholarly articles, user experiences, and AI reports. Findings indicate that ChatGPT enhances language learning, facilitates communication, and assists in content creation. However, limitations include occasional inaccuracies, lack of cultural understanding, and dependency on internet access. The study emphasizes the importance of guided and responsible use of AI tools for effective outcomes in the Uzbek linguistic context.*

Keywords: *ChatGPT, Uzbek language, artificial intelligence, language learning, content creation, digital communication*

Introduction

The development of Artificial Intelligence (AI) has transformed how people access information, communicate, and learn languages. Among AI tools, ChatGPT, developed by OpenAI, is a language model capable of generating human-like text in multiple languages. ChatGPT is increasingly used in education, research, writing, and daily communication.

The Uzbek language, spoken by over 30 million people, has distinct grammar, vocabulary, and cultural features. Integrating ChatGPT into Uzbek language contexts offers opportunities for students, educators, and content creators. However, it also introduces challenges such as potential misinformation, limited cultural understanding, and dependency on technology. This study aims to explore both the opportunities and limitations of ChatGPT in Uzbek, with a focus on educational, communicative, and content creation applications.

Methods

This study employs a qualitative research design. Data were collected through:

Literature Review: Academic articles, AI research papers, and educational reports were analyzed to identify potential benefits and limitations of ChatGPT.

User Experience Analysis: Feedback and reports from Uzbek-speaking users were examined to assess practical advantages and challenges.

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Comparative Evaluation: ChatGPT's performance in Uzbek was compared with other languages to evaluate accuracy, cultural relevance, and usability.

The data were analyzed thematically, focusing on four key areas: language learning support, content creation assistance, communication facilitation, and technological limitations.

Results

The analysis revealed several opportunities associated with using ChatGPT in Uzbek:

Language Learning Support:

ChatGPT provides explanations for grammar, vocabulary, and sentence structure in Uzbek. Students reported that it helps them practice writing, receive immediate feedback, and understand linguistic concepts more easily. Interactive question-and-answer sessions allow learners to clarify doubts and improve their skills.

Content Creation Assistance:

Writers, educators, and bloggers use ChatGPT to draft articles, lesson plans, summaries, and social media content. Many users find that it accelerates content production and provides creative inspiration.

Communication Facilitation:

ChatGPT helps users generate formal letters, emails, and translations in Uzbek. It is particularly useful for students learning professional communication and for users who wish to communicate online with a wider audience.

However, some limitations were identified:

Accuracy Issues: Occasionally, ChatGPT produces incorrect information or unnatural phrasing.

Cultural Context: The model sometimes misinterprets idiomatic expressions, cultural references, or local linguistic nuances.

Dependency: Overreliance may reduce independent problem-solving and critical thinking skills.

Internet Requirement: Continuous online access is necessary, limiting use in areas with poor connectivity.

Discussion

ChatGPT offers significant opportunities for Uzbek language users, but its use should be guided.

Opportunities:

Supports interactive and independent language learning.

Facilitates rapid content creation and idea generation.

Enhances communication, particularly for professional writing and translation.

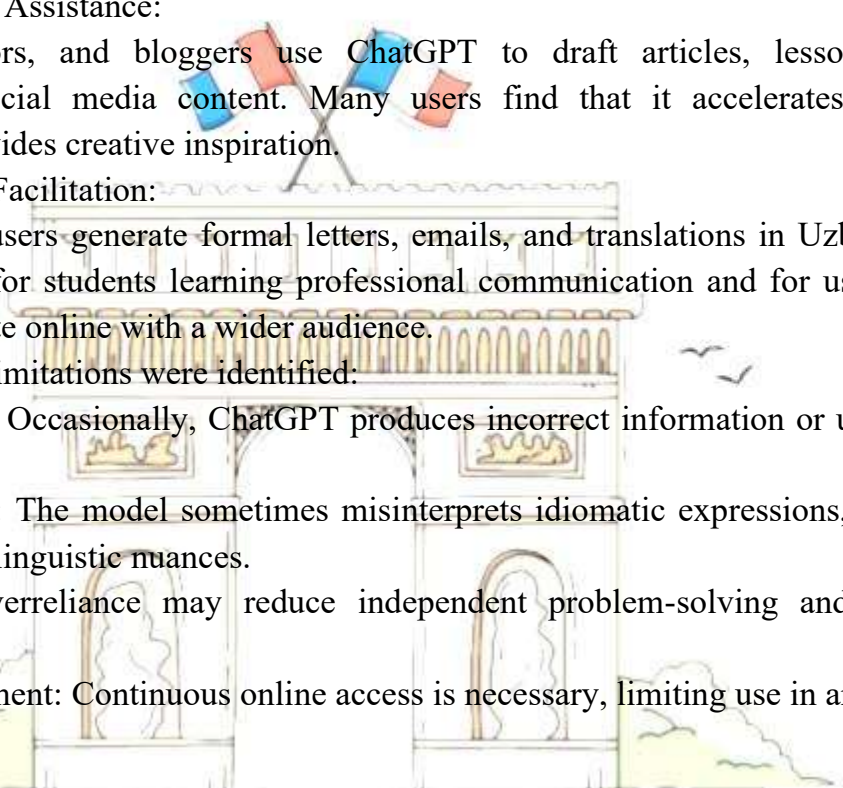
Challenges:

Accuracy issues require verification by users.

Limited cultural understanding may affect text naturalness.

Dependency on AI could reduce independent learning skills.

Internet access is a prerequisite, restricting some users.



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To maximize benefits, educators should integrate ChatGPT into guided learning frameworks, combining AI support with traditional teaching methods. This blended approach can help students develop both independent critical thinking and digital literacy. Future research could explore improving cultural understanding, increasing linguistic accuracy, and measuring the long-term educational impact of AI-assisted learning in Uzbek.

Conclusion

In conclusion, ChatGPT provides numerous benefits for Uzbek language users in education, content creation, and communication. Its interactive capabilities and rapid text generation make it a valuable tool for students and professionals. Nonetheless, limitations such as occasional inaccuracies, lack of cultural context, and potential overreliance highlight the need for responsible use. Integrating ChatGPT with traditional learning methods can maximize its educational potential and support effective language learning and content creation in the Uzbek linguistic context.

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