ARTIFICIAL INTELLIGENCE AS A TOOL FOR ENHANCING THE EFFECTIVENESS OF ENGLISH LANGUAGE LEARNING

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Abstract:
Artificial Intelligence (AI) is revolutionizing language education, expanding opportunities for English language learners and making the learning process more accessible and engaging. Modern technologies such as machine translation, dialogue systems, virtual reality, and adaptive learning are helping to make English language learning more personalized, interactive, and effective. This article presents a detailed analysis of how AI is transforming traditional teaching approaches and what AI-based tools and services can be integrated into the learning process to develop all key language skills. We explore how AI can adapt learning to the individual needs of each student, increasing efficiency and motivation.

Key words: Artificial Intelligence (AI), language education, English language learning, efficiency, personalization, specific AI tools.

Introduction. Personalization of Learning. Each Student is Unique. One of the most significant advantages of using artificial intelligence (AI) in language education is the ability to create personalized learning programs. By analyzing data on each student's progress, AI systems can adapt learning materials, pace, and task difficulty according to the unique characteristics and needs of each learner.

Accelerating the Learning Process.

Focus on Key Points. AI systems can accurately identify which grammatical structures, lexical units, or phonetic features present the most challenges for a student. This allows students to focus on practicing these areas while avoiding unnecessary repetition of material they have already mastered.

Dynamic Adaptation. The pace of material coverage can be adjusted according to the student's performance. If the student completes tasks quickly and accurately, the system will offer more challenging exercises. If difficulties arise, the pace can be slowed, and the material simplified.

Increasing Motivation.

Relevance of Material: AI systems can select learning materials relevant to each student's interests and goals. For instance, if a student is interested in travel, they will be offered texts and dialogues on this topic.

Sense of Progress: Regular positive feedback and seeing one's progress motivate students to continue learning. AI systems can visualize progress, showing students how they are mastering the language.

Interactivity: Games, puzzles, and other interactive elements embedded in the learning process make studying more enjoyable and help maintain motivation.

Enhancing Skills.

Identifying Gaps: AI systems analyze students' responses to tasks and identify areas where their knowledge is lacking, allowing for timely adjustments to the learning process to address these gaps.

Targeted Exercises: Based on the identified gaps, AI can generate specific exercises aimed at improving particular skills. For example, if a student struggles with verb tenses, the system will suggest a series of exercises focused on reinforcing this grammatical topic.

Adaptive Feedback: AI can provide students with detailed, constructive feedback on their work, explaining errors and suggesting ways to correct them.

By using personalized learning, students can:

1) Achieve higher results in language learning through more efficient use of study time.

2) Develop a deeper understanding of the language thanks to an individualized approach.

3) Increase their motivation for learning and gain more enjoyment from the process.

4) Become more confident in their language skills.

Personalized, AI-based learning opens new opportunities for language education, making it more effective and accessible for everyone.

Developing All Language Skills Using AI.

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Artificial intelligence provides unique opportunities for comprehensive language skill development. Let's explore in detail how AI can assist with each skill:

In Reading, AI systems can create texts that match the specific language level of each student, allowing for a gradual increase in material complexity and sustaining interest in learning. Besides traditional texts, AI can generate articles, stories, poems, and even adapted excerpts from literary works. Each text can be accompanied by various tasks, including questions to check for general understanding, exercises for locating specific information, and vocabulary and grammar activities.

In Writing, AI systems can analyze texts written by students and detect grammatical, spelling, and punctuation mistakes. AI can suggest synonyms, help with choosing more precise words and expressions, and offer recommendations for improving text structure. Additionally, AI provides detailed feedback on written works, explaining where mistakes occur and how to fix them.

For Speaking, chatbots and virtual conversational partners allow students to practice spoken language in various contexts, such as discussing everyday topics, engaging in business communication, or participating in role-playing scenarios. AI systems can recognize students' speech and evaluate their pronunciation, intonation, and word choice. The complexity of dialogues and discussion topics can also be adjusted according to each student's language proficiency level.

In Listening, AI can create diverse audio recordings that simulate different accents, speech tempos, and background noises. Audio materials can be accompanied by tasks such as understanding main ideas, filling in gaps, selecting correct answers, and more. AI can provide text transcriptions of audio recordings, helping students better understand spoken content and correlate the sound of words with their written form.

Benefits of Using AI for Language Skill Development include personalized learning that adapts to each student's unique needs, constant availability for studying anytime, anywhere, and a variety of materials and tasks enabled by AI, allowing for the creation of virtually unlimited diverse learning resources. Students also receive immediate feedback, which enables them to correct mistakes on the spot.

Specific AI Tools for Language Learning.

The modern market offers numerous AI-based tools and services that can significantly enhance the language learning process. Some popular examples include:

1) ChatGPT by OpenAI, a language model capable of generating texts in various styles and formats, useful for creating dialogues, generating texts for reading and translation, and helping with essay and composition writing.

2) Gemini by Google, which, in addition to similar functions as ChatGPT, offers broader capabilities such as code generation, math problem-solving, and complex instruction comprehension.

3) YandexGPT 3 and GigaChat, Russian-developed equivalents of GPT-3, which can be used for text creation, translation, and training language models.

AI-based language learning platforms include Duolingo, which personalizes learning plans, creates exercises, and assesses user responses; Babbel, which provides interactive dialogues and personalized exercises; Memrise, which optimizes learning using mnemonic techniques; and Rosetta Stone, focused on language immersion with real-life communication simulations.

Other widely-used tools include Grammarly for writing correction, Google Translate for online translation, and DeepL Translator for accurate text translation.

How to Choose the Right Tool?

Choosing a specific tool depends on your goals and language proficiency level. Consider the following factors when making your choice:

Languages: Which languages do you want to study?

Level: What is your current language proficiency level?

Functionality: What specific features do you need (e.g., conversational practice, text translation, grammar check)?

Cost: Many tools offer free versions with limited functionality or paid subscriptions with extended capabilities.

It's important to remember that AI tools are a great complement to traditional learning methods, but they cannot fully replace live interaction with a teacher and native speakers. For best results, it is recommended to combine the use of AI tools with other learning methods, such as reading books, watching movies, and interacting with native speakers.

Conclusion: Artificial Intelligence has brought transformative changes to language education by offering a variety of ways to adapt the learning process to each student's unique needs, enhancing the efficiency of acquiring language skills. With AI-enabled personalization, real-time feedback, and interactive exercises, learners are more motivated and engaged, making language learning more accessible and enjoyable. Through

the integration of tools for reading, writing, speaking, and listening, students can build a comprehensive skill set in a more dynamic and adaptable learning environment. Despite the numerous benefits of AI, it is essential to combine its use with traditional learning techniques, such as practicing with native speakers and immersing in real-life language settings. Blending AI tools with direct human interaction enhances understanding and fosters greater confidence in using the language.

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