

## THE ROLE OF ARTIFICIAL INTELLIGENCE IN LANGUAGE LEARNING

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Artificial Intelligence (AI) has become one of the most impactful innovations in modern education, especially in the area of teaching and learning languages. In contrast to traditional methods that often depend on teacher-led instruction, AI brings in adaptive, interactive, and personalized techniques that greatly enhance the learning experience. Tools such as intelligent tutoring systems, speech recognition software, chatbots, and automated feedback systems give students the chance to practice and improve their language abilities in real time. For instance, platforms like Duolingo and Babbel use AI to track learners' progress and tailor lessons to their skill level, while speech recognition tools like ELSA Speak provide instant feedback on pronunciation, helping students improve their accuracy and fluency. AI-powered chatbots like ChatGPT also allow learners to have realistic conversations, helping them build vocabulary, grammar skills, and overall communication abilities.

The advantages of using AI in language teaching are many.

Personalized learning allows each student to learn at their own pace, while interactive features boost motivation and participation. AI also improves accessibility, making high-quality language instruction available to students around the world, regardless of where they live or how much money they have. Additionally, by handling tasks like grading essays or checking vocabulary use, AI helps teachers spend more time on creative and more complex parts of language teaching. However, there are also important challenges to consider. Issues such as data privacy, fairness, and over-reliance on technology are major concerns. Many AI tools need a stable internet connection and powerful devices,

which can be a disadvantage for learners in places with limited resources. Also, speech recognition software can sometimes fail to understand different accents and dialects, leading to mistakes that may discourage learners. Relying too much on AI could also reduce opportunities for human interaction, which is vital for naturally acquiring a language.

Despite these challenges, the role of AI in language education is expected to grow as technology continues to improve. As natural language processing and machine learning progress, AI systems are becoming better at understanding context, culture, and nuance, which makes language practice more realistic and effective. The future of language teaching is likely to involve a combination of human teachers and AI systems, working together to blend the creativity and empathy of educators with the efficiency and adaptability of intelligent machines.

In short, AI is a powerful tool in language learning that, when used wisely, can change how languages are taught and learned. To make the most of AI's potential, educators and policymakers should find a good balance between technology and human interaction, ensuring that learning languages remains both meaningful and accessible.

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<https://doi.org/10.1186/s41239-019-0171-0>