

## “IMPROVING ENGLISH SPEAKING WITH AI TECHNOLOGIES”

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**Abstract:** *This article explores the significant impact of artificial intelligence (AI) on education, particularly in the field of English language learning. The article highlights how AI-based tools and applications are revolutionizing the way English is taught and learned, by examining current advances in AI technology, including natural language processing and machine learning algorithms. It also discusses potential challenges and ethical considerations associated with the integration of AI into education, and highlights the importance of responsible and inclusive implementation.*

**Keywords:** *Artificial intelligence, duolingo, language assessment, content, language teaching and learning competence.*

In the developing era, artificial intelligence is also becoming a part of human life and is widely used in many fields. Artificial intelligence was founded as an independent field of science in 1956, and in the summer of that year, the term “artificial intelligence” was first used by John McCarthy at a lecture at Dartmouth College and went down in history as the author of this term. Artificial intelligence is used in education, among language learners, in surgical operations, in controlling and preventing collisions, and in preventing various crimes. In recent years, artificial intelligence has been widely used in education and among language learners.

The role of artificial intelligence in education is unparalleled. It helps to improve the quality of education, improve communication between teachers and students. In addition, artificial intelligence makes learning more convenient and interesting. Each student has the opportunity to independently study the subject through artificial intelligence.

Artificial intelligence (hereinafter referred to as AI) plays several roles in education:  
Personalized learning:

AI can provide a personalized learning experience by adapting learning materials and pace to individual student needs and learning styles. Intelligent tutoring systems:

AI-powered tutoring systems provide students with real-time feedback and guidance, helping them understand difficult concepts and improve their skills Virtual assistants:

Virtual assistants powered by AI can help both students and teachers by answering questions, providing notes, and providing guidance on courses and assignments.

Automating administrative tasks:





AI can streamline administrative tasks such as grading, scheduling, and bookkeeping, freeing up teachers' time to focus on teaching and advising students Accessibility:

AI technologies can make education more accessible for students with disabilities by providing text-to-speech, speech recognition, and other localization tools Language learning:

AI-powered language learning platforms can provide interactive lessons, pronunciation feedback, and language practice exercises tailored to the needs of individual students.

In general, artificial intelligence has the potential to improve education by making learning personalized, convenient and effective. Also, the role of artificial intelligence in teaching English and independent learning is unparalleled. Various platforms aimed at teaching English, such as Duolingo, Englishclass, Memrise, BBC Learning English, Lingoda, are built on the basis of artificial intelligence. This makes learning easier and more interesting. For example, the Duolingo platform currently covers many language learners, and they are learning the language in a simple way through this platform.


Duolingo (duolingo) - an online project for independent language learning (launched in June 2012). The idea for its development and creation came from the American professor Louis von Andan. The essence of this project is to teach people a language for free and help them with their translation work. Currently, 70% of the information on the Internet is in English. The original purpose of this project, rather than teaching a language, is to provide information in other languages that you cannot find in your native language.

Overall, AI is providing personalized, interactive, and adaptive experiences that enhance the effectiveness and accessibility of learning English. In today's developed world, knowing English has become a key skill and has opened up countless opportunities in education and communication. As technology continues to advance, the integration of Artificial Intelligence (AI) has revolutionized the process of learning English, making it more convenient, personalized, and effective than ever before.

AI-powered platforms use machine learning algorithms to analyze students' strengths, weaknesses, and learning styles. By understanding individual needs, AI can tailor learning materials, exercises, and assessments to suit each learner's pace and style. This personalized approach ensures that students receive targeted instruction and support, maximizing their language acquisition and retention.

One of the most important advantages of AI in English learning is its ability to provide interactive language practice. Chatbots and virtual language assistants mimic real-life conversations, allowing students to engage in dialogue, receive instant feedback, and practice speaking and listening skills in a supportive environment. Through constant interaction, students develop confidence, fluency, and natural communication skills.





Traditional language assessment methods often lack speed and specificity, making it difficult for students to identify and correct their mistakes. AI-based feedback systems analyze student responses in real time and provide immediate and personalized feedback on grammar, pronunciation, vocabulary, and more. By identifying areas for improvement, students can improve their language skills. With the help of artificial intelligence, students will have access to a wide range of original English resources, including articles, videos, podcasts and news from around the world. AI algorithms tailor content based on students' interests, proficiency levels and learning goals, ensuring it is relevant and engaging. By immersing students in real-world language contexts, they will improve their comprehension skills and expand their vocabulary.


AI-powered learning platforms offer learners the ability to learn anytime, anywhere, and at their own pace. Through mobile apps, web platforms, and smart devices, learners can access a wide range of learning resources, including lessons, quizzes, flashcards, and multimedia content. This flexibility accommodates a variety of study schedules and lifestyles, allowing learners to make consistent progress on their English language journey. Students should consider AI for language learning because it offers personalized learning experiences, real-time feedback, and access to vast amounts of language data and resources. AI-powered language learning platforms can adapt to individual learning styles, provide interactive exercises, and effectively track progress, making the language learning process more effective and enjoyable.

In conclusion, the application of AI in language learning presents a transformative opportunity for students around the world. By harnessing the power of AI-based platforms, students can access personalized learning experiences, real-time feedback, and language resources. As technology continues to advance, so does the potential for AI to revolutionize language learning, making it more accessible, effective, and engaging for learners of all levels.

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