

APPLYING AI-TOOLS TO DEVELOP STUDENTS' LANGUAGE SKILLS

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Abstract. This study defines the role of artificial intelligence (AI) in teaching foreign languages and its influence on the learning process. It focuses on how AI tools support personalized learning, adaptive teaching, and the development of students' skills. The author of the article discusses the use of AI tools help both teachers and students. In addition, the study highlights how AI increases student engagement, reduces teachers' workload, and improves learning outcomes. Possible AI- tools are suggested in order to develop language skills. The results show that effective use of AI can improve teaching quality and support learner-centered education.

Key words: artificial intelligence, teaching, learning, AI tools, personalized, approaches, interactive, student engagement.

The growing advancement of artificial intelligence (AI) has brought notable changes to educational approaches, especially in language instruction. The application of AI tools for developing students' language skills provides innovative ways to improve listening, speaking, reading, and writing through adaptive and interactive learning environments. AI-based technologies, including intelligent tutoring systems, speech recognition software, and automated feedback tools, allow learners to practice language skills autonomously while receiving timely and personalized feedback. Consequently, integrating AI tools into language education enhances student engagement, motivation, and overall effectiveness of language learning. Artificial intelligence plays a crucial role in modern teaching by enhancing the effectiveness, accessibility, and personalization of education. AI technologies enable teachers to tailor instruction to individual learners' needs through adaptive learning systems, intelligent tutoring, and data-driven feedback. These tools support continuous assessment, reduce teachers' administrative workload, and allow more time for meaningful interaction with students. Moreover, AI fosters student engagement by providing interactive learning experiences and real-time support, ultimately contributing to improved learning outcomes and more efficient teaching practices.

According to Ruziev (2025), AI introduces intelligent systems that personalize content delivery, support automated assessment, and streamline administrative tasks, thereby expanding opportunities for student-centered learning and increasing overall engagement in the classroom⁶. Woolf (2010) emphasizes that intelligent tutoring systems can adjust content and difficulty based on learners' performance, improving engagement

⁶ Ruziev Bekhruz. The role of artificial intelligence in modern teaching. Tadqiqotlar jahon ilmiy- metodik jurnali.60-son.2025.<https://scientific-jl.com/tad/issue/view/170>



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and outcomes⁷. According to Heffernan and Heffernan (2014), AI provides immediate feedback on errors in language skills such as writing and speaking, which accelerates learning and allows students to correct mistakes in real time⁸. AI helps learners develop critical thinking, problem-solving, and digital literacy alongside language skills. Researchers note that AI tools promote self-directed learning and prepare students for real-world communication (Chen et al., 2020)⁹ Xie, Chen, and Hwang (2020) note that AI platforms personalize reading materials to learners' proficiency, offer vocabulary support, and track comprehension progress, which improves reading skills and critical thinking¹⁰.

From our point of view we consider that Artificial Intelligence (AI) in language learning uses computer systems and smart algorithms to help learners improve their language skills. AI can track students' performance, give personalized feedback, adjust lessons to their level, and offer interactive practice. This support helps learners develop listening, speaking, reading, and writing skills, encourages independent learning, and enhances accuracy, fluency, and real-world communication.

We can suggest the following AI- tools to develop language skills such as Listening Skill:

Speech Recognition Tools	Google Speech-to-Text, Microsoft Azure Speech, Whisper	To help learners improve listening accuracy by comparing spoken input with AI-generated transcriptions.
AI-Powered Language Learning Apps	Duolingo, Elsa Speak, BBC Learning English (AI-supported)	To enhance listening comprehension through adaptive audio materials adjusted to learners' proficiency levels and learning pace.
AI-Driven Multimedia Platforms	YouGlish, TED-Ed (AI-curated)	To expose learners to authentic listening materials and improve contextual understanding through AI-recommended audio and video content.
Intelligent Tutoring Systems (ITS)	Carnegie Learning, Squirrel AI	To provide personalized listening practice and instant feedback based on learners' performance and progress.

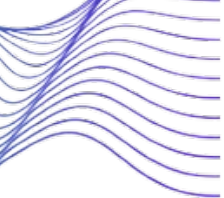
AI tools are becoming very useful for improving students' reading skills by offering personalized and adaptive learning. Platforms like LingQ, ReadTheory, and Newsela use AI to match reading materials to students' levels, help with new vocabulary, and track

⁷ Woolf, B. P. (2008). *Building Intelligent Interactive Tutors: Student-Centered Strategies for Revolutionizing E-Learning*. Elsevier / Morgan Kaufmann Publishers

⁸ Heffernan, N. T., & Heffernan, C. L. (2014). *The ASSISTments Ecosystem: Building a Platform that Brings Scientists and Teachers Together for Minimally Invasive Research on Human Learning and Teaching*. *International Journal of Artificial Intelligence in Education*, 24(4), 470–497

⁹ Chen, X., Xie, H., & Hwang, G.-J. (2020). *A multi-perspective study on artificial intelligence in education: grants, conferences, journals, software tools, institutions, and researchers*. *Computers & Education: Artificial Intelligence*, Elsevier

¹⁰ Chen, X., Xie, H., Zou, D., & Hwang, G.-J. (2020). *Application and theory gaps during the rise of Artificial Intelligence in Education*. *Computers and Education: Artificial Intelligence*, 1, 100002



understanding. These tools help learners expand their vocabulary, understand difficult texts, and develop better reading strategies. By giving instant feedback, highlighting unfamiliar words, and suggesting suitable texts, AI platforms encourage independent learning and keep students engaged. This allows learners to practice reading at their own pace while gradually improving fluency, comprehension, and confidence.

AI-tools to improve language learners' speaking skills:

AI-Powered Language Learning Apps	Duolingo, Rosetta Stone, Babbel	To develop oral communication through interactive speaking exercises, adaptive prompts, and practice dialogues tailored to learners' levels.
AI Chatbots and Conversational Agents	ChatGPT with voice, Replika, Google Assistant	To engage learners in real-time conversations, enhancing fluency, confidence, and comprehension of natural speech patterns and idioms.
AI-Powered Voice Assessment Platforms	EnglishCentral, SpeakyAI	These platforms allow learners to practice speaking in realistic contexts, track improvement over time, and receive tailored exercises to target specific weaknesses.
Speech Analysis and Fluency Tools	Speechace, Praat (AI-enhanced)	To analyze speech rhythm, stress, and pace, helping learners improve naturalness, fluidity, and overall oral communication skills.

AI analyzes pronunciation, grammar, intonation, and fluency, giving learners immediate and tailored feedback to target specific weaknesses. Language learners can practice their speaking anywhere allowing for individualized learning.

AI-tools to improve language learners reading skills;

LingQ, ReadTheory	improve reading comprehension and critical thinking.	AI tracks vocabulary knowledge, provides context-based translations, and recommends personalized reading materials.
Scribens + AI Grammar Tools	Improve reading comprehension and writing integration.	AI highlights grammar and vocabulary issues while encouraging learners to understand sentence structures in context.
NaturalReader / Speechify	Support reading fluency and comprehension through audio-visual reinforcement.	AI converts text to speech, highlights words as they are read, and allows learners to follow along visually and aurally.
Bookbot / Epic! (AI recommendations)	Encourage extensive reading and vocabulary expansion.	AI recommends books and reading materials based on learner interests and proficiency level.



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AI tools to develop language learners' writing skills:

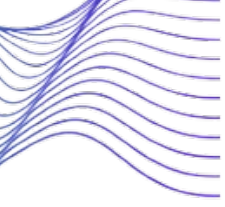
Grammarly	Enhance grammar, punctuation, style, and clarity in writing.	AI checks grammar, spelling, and sentence structure, provides stylistic suggestions, and offers tone and clarity improvements.
QuillBot	Improve sentence structure, coherence, and vocabulary use.	AI-powered paraphrasing, summarizing, and rewriting tools to help learners refine their writing and avoid repetition.
ProWritingAid	Develop advanced writing skills and editing strategies.	AI analyzes style, readability, grammar, and plagiarism; gives actionable feedback for improvement.
Hemingway Editor	Enhance readability and concise writing.	AI highlights complex sentences, passive voice, and difficult words to improve clarity and flow.

AI tools for writing have gained significant importance because they offer learners immediate, tailored assistance to enhance their writing abilities. These AI-driven platforms not only detect errors in grammar, punctuation, and syntax but also provide guidance on sentence structure, vocabulary choice, and overall clarity. By delivering instant feedback, such tools encourage self-directed learning and enable students to practice writing independently, fostering greater confidence and motivation.

As a conclusion, AI tools are essential and vital for supporting students' language learning in all four areas – listening, speaking, reading, and writing. These technologies offer personalized, adaptive, and interactive experiences that enable learners to practice independently, receive immediate feedback, and gain confidence. By targeting individual strengths and weaknesses, AI-driven platforms make learning more engaging, efficient, and accessible. Therefore, incorporating AI into language education not only enhances skill development but also increases student motivation and promotes a learner-centered approach, helping learners prepare for real-world communication.

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