



## THE IMPACT OF AI-ASSISTED LEARNING ON SPEAKING AND WRITING SPROFICIENCY AMONG EFL UNIVERSITY STUDENS

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**Abstract:** This study examines the impact of AI-assisted learning on the enhancement of speaking and writing skills in EFL university students. Because AI is growing so quickly in education, technologies that use AI, such speech recognition software, chatbots that can hold conversations, and automatic writing evaluators, are becoming more common in language learning settings. For four weeks, undergraduate EFL students took part in a study with a quasi-experimental design. The results show that learning with AI makes pupils far more fluent in speaking, pronouncing words correctly, and writing in a way that makes sense. The results also show that AI tools' ability to personalize learning and give instant feedback has made students more motivated and engaged.

**Keywords:** Artificial Intelligence, AI-assisted learning, EFL students, speaking proficiency, writing skills.

### Introduction

In today's world, English has become an international language, creating a strong need for people to learn it. Traditional methods of language teaching are still used, but modern approaches and various methods have proven to be very helpful. Artificial intelligence (AI) tools do not replace teachers; rather, they provide significant support for English language learners and play an important role in saving time. Artificial intelligence (AI) has changed several fields in a big way, including education, because it is growing so quickly. In the field of English as a Foreign Language (EFL), AI-based applications like automatic writing assessors, speech recognition systems, and conversational chatbots have brought new ways to teach language. These technologies give students instant feedback, let them study in ways that work for them, and give them chances to practice on their own, all of which are in line with modern learner-centered teaching methods.

To get better in speaking and writing, you need to practice, get criticism, and use them in conversation. But traditional classrooms sometimes have

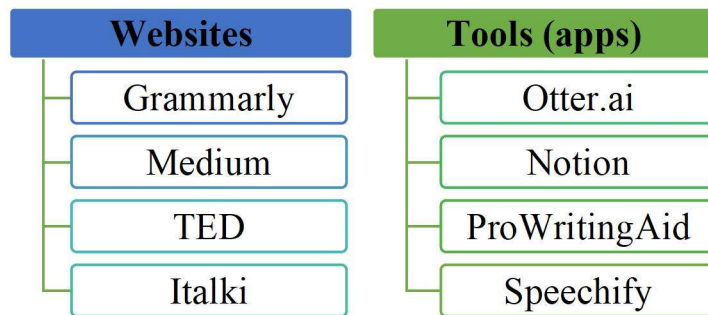


problems like not enough time, too many students, and not enough chances for individualized feedback. While prior studies have highlighted the overarching advantages of AI in language acquisition, empirical data particularly addressing the enhancement of speaking and writing competencies among EFL university students is still few. Even pronunciation can be improved by using these AI tools (Richards, 2006; Harmer, 2007). This study is to investigate the influence of AI-assisted learning on the enhancement of speaking and writing skills among university-level EFL learners. The findings of this study may contribute to a better understanding of how AI tools can be effectively integrated into higher education language programs.

## **Discussion**

The study investigates whether the AI-assisted learning causes a noticeable difference in learning outcomes across evaluated speaking and writing skills. Moreover, it provides significant insights for teachers and students on utilizing AI tools efficiently. Kok (2009) states that artificial intelligence (AI) creates opportunities for students to learn independently, provides to develop critical thinking, and the enhancement of self-regulatory skills. Through this, learners will be able to participate more actively in their learning process and overcome challenges that normally require human intelligence. AI technologies, particularly automatic speech recognition (ASR) systems and AI chat bots, can make speaking and writing exercises more effective for EFL (English as a Foreign Language Learners). At the same time, the use of AI-assisted pedagogical tools not only improves the quality of students' writing, but also develops their self-evaluation and error correction skills in the educational process according to Chang, this provides valuable insights for teachers and students on how to effectively use ChatGPT and other AI tools, and significantly improves students' knowledge and speaking and writing skills. The study investigates whether the AI-assisted learning causes a noticeable difference in learning outcomes across evaluated speaking and writing skills. Moreover, it provides significant insights for teachers and students on utilizing AI tools efficiently.

This study was undertaken drawing on a qualitative approach and examined the effectiveness of digital platforms in enhancing students' writing and speaking skills. A total of eight widely recognized and extensively used platforms were selected for the study: four websites (Grammarly, Medium, TED and Italki) and four applications (Notion, ProWritingAid, Speechify and Otter.ai). A detailed overview is provided in the Table 1 below.



These tools were determined based on their popularity, usability and significant impact on language acquisition. The findings suggest that these platforms play a crucial role in the enhancement of writing and speaking skills. Tools for writing development like Grammarly and ProWritingAid enable users to identify and correct grammatical inaccuracies, resulting in increased text clarity and consistency.

| Tool      | Skill Focus     | Function                    | Benefit              |
|-----------|-----------------|-----------------------------|----------------------|
| Grammarly | <i>Writing</i>  | <i>Grammar correction</i>   | <i>Accuracy</i>      |
| TED       | <i>Speaking</i> | <i>Authentic listening</i>  | <i>Fluency</i>       |
| Italki    | <i>Speaking</i> | <i>Native interaction</i>   | <i>Confidence</i>    |
| Otter.ai  | <i>Speaking</i> | <i>Speech transcription</i> | <i>Self-analysis</i> |

As shown in the Table 2 above AI-assisted tools utilized in this study and their respective roles in enhancing speaking and writing skills. The tools were categorized based on their primary focus on either productive skill, namely writing or speaking. Writing-oriented tools such as Grammarly, ProWritingAid, Medium, and Notion were employed to improve students' grammatical accuracy, coherence, and ability to organize ideas effectively. In contrast, speaking-oriented platforms including TED, Italki, Speechify, and Otter.ai provided opportunities for authentic language exposure, pronunciation practice, and interactive communication.

Furthermore, each tool contributes uniquely to the learning process by offering immediate feedback, promoting learner autonomy, and supporting



self-directed practice. The integration of these technologies creates a comprehensive learning environment in which students can simultaneously develop multiple language competencies. This structured use of AI tools enables a more personalized and engaging learning experience, ultimately leading to improved language performance.

According to a study by O'Neill and Russell (2019), automatic feedback programmes significantly improve the quality of students' writing. And the Medium platform allows users to present their texts to a broader audience and obtain feedback, which makes the writing process more interactive and engaging (Zhang, 2020). Notion is also a valuable tool for organizing ideas and planning the writing process. TED's platform for speaking skills assists students in acquiring pronunciation, lexical knowledge, and speech organization through authentic speeches. As King (2002) noted, listening to such real speeches is highly effective in enhancing students' speaking proficiency. The Italki platform allows direct engagement with native speakers and increases students' fluency and overall communicative competence (Satar & Özdener, 2008). In addition, Speechify supports the development of accurate pronunciation by converting text to sound, while Otter.ai transcribes speech into text for performance analysis.

### **Conclusion**

Overall, these digital platforms create a conducive environment for the simultaneous enhancement of writing and speaking skills together. Through them, students are afforded the opportunity for autonomous learning and engaging in self-directed practice and continuous improvement. The results show that the integration of modern technologies into the language learning process markedly improves students' overall language proficiency.

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