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AI-driven key phrase extraction

The integration of artificial intelligence (AI) into language education is revolutionizing the field of TESOL by providing innovative tools for both teachers and learners of English. This paper examines the application of AI-powered key phrase extraction as a means to enhance the teaching and learning of English writing skills for the teachers and the learners of English. Key phrase extraction, assisted by advanced natural language processing (NLP) models such as BERT and GPT, allows for the automatic identification of essential words and phrases that enclose the main ideas of a text. With these technologies, teachers can help students in organizing their ideas, maintaining thematic coherence, and self-assessing the clarity of their arguments. The paper will discuss both the theoretical foundations and practical classroom strategies for implementing key phrase extraction through comparative analysis and scaffolded writing tasks. Ethical considerations, such as data privacy and algorithmic bias, are also addressed. Ultimately, AI-driven key phrase extraction may provide a promising approach to making language learning more effective and engaging in the digital age.

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