

Research on the application of generative artificial intelligence in automatic personalized voice generation for digital learning material creation.

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Abstract: This topic researches and applies artificial intelligence to automate the process of creating personalized voices for online lectures. The context is the rapid development of digital technology and the increasing demand for multimedia learning content. The objective is to build a system that automates personalized voice generation from original text, meeting the need for personalization in education. The method includes theoretical research on artificial intelligence combined with experimental deployment of modern language models. The expected results will confirm the effectiveness and applicability of this system in improving the quality of digital learning materials.

Keywords: Artificial intelligence, Voice automation, Digital learning materials, Personalized education, NLP