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Learning a foreign language through voice conversation with AI chat

In this comprehensive exploration, the author delves into a visionary initiative aimed at fundamentally transforming language learning through the implementation of a groundbreaking Conversational AI system. The research underscores the pivotal role of innovative features, particularly the successful integration and testing of TextToSpeech and real-time translations, which have emerged as key contributors to the efficacy of the system. The outcomes of these tests not only affirm the immediate impact on language acquisition but also illuminate the untapped potential that the Conversational AI system holds for the broader landscape of language education. As the article unfolds, it navigates through the intricacies of the developed AI system, shedding light on the multifaceted layers of its architecture and functionality. The author, as the sole contributor to this ambitious project, narrates the journey through the challenges and triumphs encountered in the realms of programming, linguistics, and user interface design. The immersive and effective language acquisition tool that has emerged from this endeavor represents a pioneering leap beyond conventional language learning boundaries. Motivated by a keen recognition of the hurdles faced by language learners, such as the need for real-time feedback and engaging learning materials, the author strategically harnessed the power of Python, Bard AI, Speech Recognition modules, and more. The fusion of these tools has resulted in a transformative Conversational AI system designed to provide learners with an unparalleled language acquisition experience. While the focus of the article lies in the innovative elements that form the bedrock of the project, it also contemplates the future trajectory of AI-driven language learning. The concluding sections meticulously outline future development prospects, emphasizing the author's unwavering dedication to pushing the boundaries of this evolving field. The visionary insights presented in this article underscore not only the current state of AI in language education but also the trajectory it is poised to take, with the author's unique contribution at the forefront of this transformative journey.

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