

Revolutionizing Travel: An Introduction to a Voice-Enabled Flight Booking System Powered by Machine Learning

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Abstract: Numerous websites exist that enable flight booking with various customizations for a particular user. Technology is used to make things easier and convenient at every turn. So, the developments in this field aim at being user friendly and accessible to the user by providing certain features that ensure user interaction occurs at ease. One of these features at disposal is a voice-controlled input system for an online flight reservation website or online travel agencies. This feature is added using voice-to-text system and a machine learning algorithm is used to extract relevant information such as destination, dates and preferences from the user's voice input and show relevant results for the same. This trait aids in understanding user preferences and provide personalized recommendations, streamlining the user experience by presenting relevant content

Keywords: Voice-input, Voice user interface, Flight booking, Natural language processing, web scraping, Airlines, Online travel agents, Speech-to-text

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