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Implementing Intelligent Virtual Assistant

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Abstract: Our daily lives have been immensely enhanced by the rise of intelligent virtual assistants, which has revolutionised the way we engage with technology. These computer programmes replicate human interaction and carry out tasks for users by utilising artificial intelligence and natural language processing. They can be used on a variety of devices and are useful for scheduling, taking notes, doing research, and even writing prescriptions. These virtual assistants respond to consumer inquiries quickly and thoughtfully by using voice input and tools like OpenAI'sChatgpt. They can do searches on a number of different platforms, including Wikipedia, YouTube, Google, and even forecast the weather. These virtual assistants can converse with people in a more human-like manner thanks to the inclusion of natural language processing, which makes the interaction more natural and user-friendly. As more and more smart home and automobile products incorporate these virtual assistants, people will find it simpler to operate their homes and vehicles with just their voice. Additionally, they are used in customer service to offer immediate assistance to customers as well as in healthcare to assist doctors with patient care and diagnosis. Intelligent virtual assistants have countless potential uses, and as technology advances, we may anticipate even more fascinating and creative ways they will enhance our daily lives. Intelligent virtual assistants have developed into a necessary tool for both consumers and enterprises due to their capacity to offer individualised support and streamline corporate procedures.

Keywords: Intelligent Virtual Assistant, Speech Recognition, Artificial Assistant, Speech to text, Text Analyzing.

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