

Department of Master of Computer Applications

Jarvis: A Voice-Enabled Chat Bot with multiple Feature

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OBJECTIVES:

1. To develop an efficient and user-friendly virtual assistant that can perform multiple tasks on voice command.
2. To integrate various APIs and libraries to enable the virtual assistant to perform different functionalities such as youtube search, googlesearch, set alarms, download videos, and do basic math and science.
3. To develop an automatic message sending feature on WhatsApp that can send messages on a timed or delayed basis.

INTRODUCTION:

The project "Jarvis Chatbot with Voice Chat Feature" is an artificial intelligence- based project aimed at creating a virtual assistant that can perform multiple tasks on voice command. The project is named after the famous virtual assistant in the Iron Man movie series, Jarvis, which was capable of performing various tasks for the superhero. The Jarvis Chatbot is developed using Python and integrates various APIs for performing different functionalities. In today's fast-paced world, people are always looking for ways to automate their daily tasks and make their lives easier. The need for virtual assistants has grown with the rise in the use of technology.

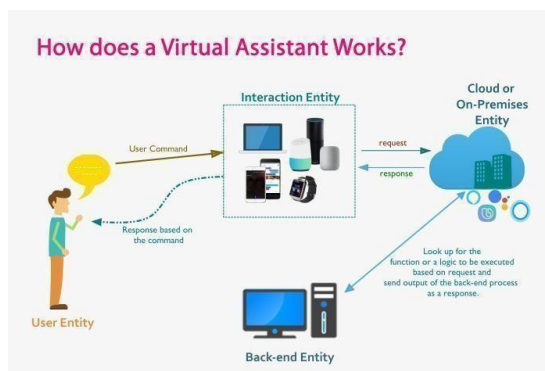


Fig.backend working

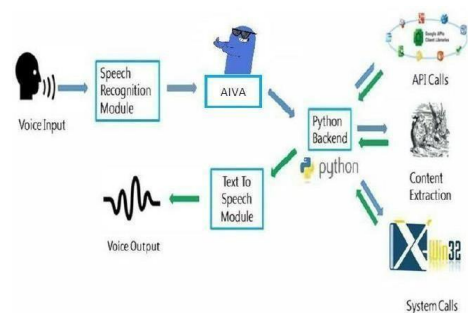


Fig. Input/output text to speech

CONCLUSION: We've covered Python-based Personal Virtual Assistants for Windows in this article. Humans' lives are made simpler by virtual assistants. Using a virtual assistant gives you the freedom to contract for just the services you need.. Python is used to create virtual assistants for all Windows versions, much as Alexa, Cortana, Siri, and Google Assistant. Artificial Intelligence is used in this project, and virtual personal assistants are an excellent method to keep track of your calendar. Because of their portability, loyalty, and availability at any moment, virtual personal assistants are more dependable than human personal assistants. Our virtual assistant will get to know you better and be able to provide ideas and follow orders. This device will most likely be with us for the rest of our lives

FUTURE ENHANCEMENTS:

- > It is possible to enhance education by using immersive technology. Voice assistants may help students study in new and innovative ways.
- > New discoveries could be made in the future as a result of this study's results. Next years will be all about voice-activated devices like smart speakers and virtual assistants.

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