

AI-Smart Assistant

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Abstract - Artificial Intelligent has been in great use when it comes to day to day life. Computer science defines AI research as the study of brilliant agents. Every In almost any direction one turns today, some form of computer-based information processing technology intrudes, whether to the individual knowingly or not. Artificial Intelligence (AI) has already change our lifestyle. I device that perceives its environment and takes actions that maximize its chance of successfully achieving its goals. *Input to recommendation algorithm can be a database of user and items and output recklessly will be the recommendations. The user is the input into system by voice or text. This paper presents a new approach for smart search [1]. Overall in world there are many people who use assistant.* The paper presents applications of virtual assistant that helps in providing chance for humanity in various domains. This paper also describes provocation of applying virtual Assistant technology.

Key Words: Perceives, Artificial intelligent, Python, Chatbot.

1. INTRODUCTION

Virtual Assistant is a software agent that is used to perform task or service for individual. Sometimes the term 'Chabot's used to refer virtual assistant, which is a new technology that would harnessed to create an intelligent virtual personal assistant which focus on user based information. The software focuses on virtual assistant and structural elements of a virtual assistant system. In this software we tried to study virtual Environment and virtual Assistant. Interfaces [2]. It will be a look-at examples of intelligent program with English language that are readily available. We are providing software for multiple language use in India, in this software we are providing facility to use virtual assistant in different Indian languages to greet user, to measure temperature, weather forecasting, web searching, open files & applications from personal computer and other features. Most present menial helper conditions are essentially visual encounters, showed either on a PC screen, yet a few reenactments incorporate extra tactile data, for example, sound through speakers or earphones. Some propelled test systems, utilize haptic frameworks which incorporate material data, by and large known as power input. Thus, we can condense the above thoughts of Virtual Aide in one definition[3]. Virtual Assistant is a top of the line UI that includes continuous reproduction and communication through numerous sensorial channels like visual, sound-related or material.

2. BACKGROUND STUDY

As mentioned above virtual assistant personal comes to the picture where the user can search files from system, weather forecast, time, website, find system IP address, jokes by using voice command. With help of voice command user able to find any data and information which was stored in user system. System able to send mail to perspective receiver using command such as such mail to recipient name or Gmail address. This will be possible using gmail.Api. In the case, if user want any translation then that will be possible by gTTS. There are a few APIs accessible to change over content to discourse in python. One of such APIs is the Google Text to Speech API usually known as the gTTS API. gTTS is a simple to utilize instrument which changes over the content entered, into sound which can be spared as mp3 document.

3. WORKING PROPOSED OF ASSISTANT

In this project, the user need first push the start button. After push event personal assistant will be able to take input from user with help of voice command. Then user search information depends upon his/her personal quires. If that quire is understand by personal assistant .respond on that quire with proper search .else personal assistant response to user with 'try once again'. Through this the user can search any quires or information.it can help to user to indexing the personal data which was recently stored in system. This is much valuable and constructive than library and as communication is possible between the user and the assistant, the customer be acquainted with about the condition of the given search [4].

4. USE CASE FOR PERSONAL ASSISTANT

Use Case 1: Fill personal information.

Use Case 2: Using voice input Ask for movie.

Use Case 3: Using voice input Alarm Queries.

Use Case 4: Search other quires using voice command.



5. PYTHON

Python is an interpreter, high-level, general-purpose programming language. Python features a dynamic type system and automatic memory management [5]. It supports multiple programming paradigms, including object-oriented, imperative, functional and procedural, and has a large and comprehensive standard library. Rather than having all of its functionality built into its core, Python was designed to be highly extensible.

6. JAVASCRIPT

JavaScript (JS) is a insubstantial, interpreted or Just in Time compiled programming language with better functions and new sort of methods. Significantly as the scripting language for Web pages, many non-browser environments also use it, such as node.js and Apache CouchDB.JS is a prototype-based, multi-paradigm, dynamic scripting language, supporting object-oriented, imperative, and declarative(e.g. functional programming) styles[6].

6. COMPONENTS REQUIRED

- Python
- JavaScript
- Personal Computer
- Microphone
- Speakers

7. FUTURE SCOPE

This project will be help for visually impaired and physically challenge people. Instead, we will see a fragmented marketplace emerge. It will be a market where you are might into using default AI providers depending on the hardware purchase. This will lead to consumer friction and third party solutions to remove incumbent solutions.

8. FEATURES

- User can find any lost file from his/her personal computer.
- Search any website using voice command.
- Set alarm, find system IP address, weather forecast for specific city.
- User can add different command.

9. ADVANTAGES

- Reusability and cost efficient for user.
- Easy to search lost files in personal computer
- Reduce typing efforts.

10. APPLICATIONS

- Data based connectivity.

11. CONCLUSION

This examination speaks to an initial phase in investigating the potential job of remote helpers in programming improvement ventures finished by virtual groups. While the outcomes infer some positive commitments from remote helpers, those outcomes were not exactly factually critical. In spite of this outcome, this observational examination shows that it force be valuable for virtual groups to utilize IVAs to help with circulating key specialized information to colleagues.

12. REFERENCES

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