

Jarvis for Corporate

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Abstract: Information technology is a large developing technology that aims at obtaining the maximum resource and processing the information. With the large growth in the Information Technology and its large applications the IT industries are also growing and people working in the organization are also increasing in number. The projects carried out in IT industries are performed as a team project and are either based on the products they developed or based on the services they provide for various other product based industries. Usually all the process carried out in the projects are well documented and the programs are kept safe and all this process of documenting and project handling are performed by the Team members. When a team is working in a project all the members will be assigned an individual task. So every time when the project is saved it is done manually in their own provided cloud storage and all reference works done are also done only by themselves. By considering the existing restrictions that has been in practice and In order to make the programmers free from these secondary works, a NLP based chatbot for automating this process is developed. This helps in such a way that it automatically syncs the project progress with cloud and also works as an assistant by giving them related tips based on the projects they are working on.

Keywords: NLP, chatbot, automatically syncs, cloud storage.

1. Introduction

Jarvis for corporate is a chat bot-based conventional software that can be used by both businesses and people in project development. Almost every industry has gone digital, and every task is completed with the aid of software. The software development process is complex, and it is important to keep track of all activities involved in the development of the software. The operations that are carried out in the software development and programmers are automatically updated by this automation software.

2. Chat bot interface

The chat bot serves as a layer of communication between the system and the client/developer. In these parts, the user can communicate with the chat bot and obtain information about the system's automation activities, as well as initiate any of the application's automation activities. It offers services for system automation, such as document handling, system downloads, local repository operations, project management, git project updates, project sharing, and project management for multiple users.

3. Literature survey

1. Advance the state-of-the-art on mining skill-related data from coding platforms with a hybrid approach aided by NLP to detect low-level expertise on particular software frameworks and technologies apart, relying exclusively on GitHub data and Natural Language

Processing (NLP) using the Microsoft Language Understanding Intelligent Service (LUIS).

2. The chatbot device mimics human communication. Analyze user requests, comprehend user messages, and provide an appropriate response to the user's question. Its architecture combines a language model and a computational algorithm to simulate knowledge online communication using natural language between a person and a machine.

3. The key benefit of this explicit feature of a chatbot is that it can be granted its own virtual personality, similar to that of a real individual in a specific career. The user can use the chatbot to schedule meetings and add them to their calendar. This chatbot functions similarly to a resumeBot. It's a resume disguised as a chatbot.

4. A chatbot with a medical background provides a customized diagnosis based on symptoms. With the inclusion of support for additional medical features such as symptom severity, length, location, and a more accurate explanation of symptoms, the identification of bot symptoms and diagnosis output will be greatly enhanced in the future.

4. Block diagrams

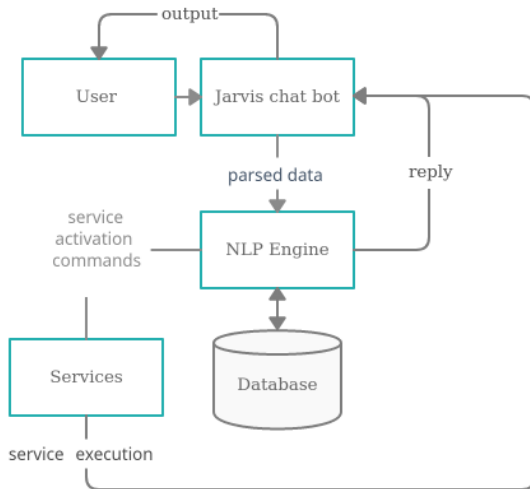


Fig 1. Jarvis for corporate

5. Proposed System

The aim of this project is to automate the syncing and storage of project-related files in repositories. The aim of this project is to create a natural language processing (NLP)-based chat bot framework application that fully automates the process of syncing the project to the cloud. The chat bot would first ask for the specifics of the folder where the project will be saved and synced. The syncing process begins at the same time. Every 10 minutes, the projects are synced.

Jarvis has a built-in software that syncs the project to the cloud repository automatically. It accepts user feedback and allows the user to identify the project and cloud repository. Within this software, users can also establish some automated tasks. After receiving feedback from the user, Jarvis parses it and feeds it to the NLP Engine. The data is then processed by the NLP Engine, which uses a neural networking algorithm to classify the service to be performed. The specified service is then executed, and the result is displayed.

This chat bot automates the process of updating the project's changes and keeps track of the task's information. Any time improvements and updates are made, they are saved as progress and can be retrieved later.

6. Conclusion

The chat bot begins communicating with the user by requesting the corresponding connection where the project must be synced and saved, and the project files are successfully synced with the GITHUB Repository's

cloud storage. The user does not need to offer the choice to save or sync on a regular basis. Any time improvements and updates are made, they are saved as progress and can be retrieved later. Every person who has access to the repository link can save their project contributions in the cloud repository.

7. Applications

1. The project files are automatically uploaded to cloud repositories by the chat bot.
2. When the application files are updated, it changes the program files.
3. This shortens the time it takes to record projects and automates the syncing process.
4. It aids users in the development and automation of new project tasks.

8. References

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