

'hello computer' voice-bot

• **Goal of the voice-bot:**

Our basic goal of this bot is to calculate the statistics from given excel file and satisfy the basic features of a chatbot.

• **Functional Walkthrough:**



- Integrated the chatbot with live Google Speech Recognition in order to directly converse with the bot. It can answer in speech and text both just like Jarvis !

- Works with wake up command "hello computer".

- When found any reference to table, we can perform all the basic operations and aggregations like sum, average, maximum, and minimum that a select statement in SQL can do. We can also perform conditioning or filtering on multiple columns.

- Added entity knowledge layer like that of LSTM for seamless experience of referenced chat. For example:

- Command 1. What is employee id 5 minimum salary?
- Command 2. What is his average salary?
- Command 3. What is his name?



- Identifying entity from speech and getting summary for the entity from wikipedia like person, place, location etc keywords. For example:

- Command 1. Who is Sachin Tendulkar?
- Command 2. Search google about him.
- Command 3. Tell me something about corona virus.



- Included google search option for opening webpage with keyword "search google". For example:

- Command 1. Search google for lion images.
- Command 2. Search google about how to make chatbots.
- Command 3. Search google India's most wanted criminal





- Get information about current date and time upon speech instructions. For example:
 - Command 1. Tell me current date.
 - Command 2. Can you please tell me current time.
 - Command 3. What is current date and time?

- Chat experience of friendly chatbot like Siri which can be humorous sometimes. For example:
 - Command 1. Ok. Tell me joke.
 - Command 2. Do you have feelings?
 - Command 3. Ok shut up.



- **Few points for easy interaction:**

- Talk to bot after the dialogue **‘Say something!’** on console.
- We can start the conversation by saying the wake word or any text you want to ask.
- Model recursively learns on its own while talking to you, so the more we talk to the bot the more accurate results we get.
- If we don’t have any questions to ask, just say keyword **‘Speak’** to start talking to bot on random topic.

- If we can have enough resources we can accurately train the model using Neural Network and Deep Learning.