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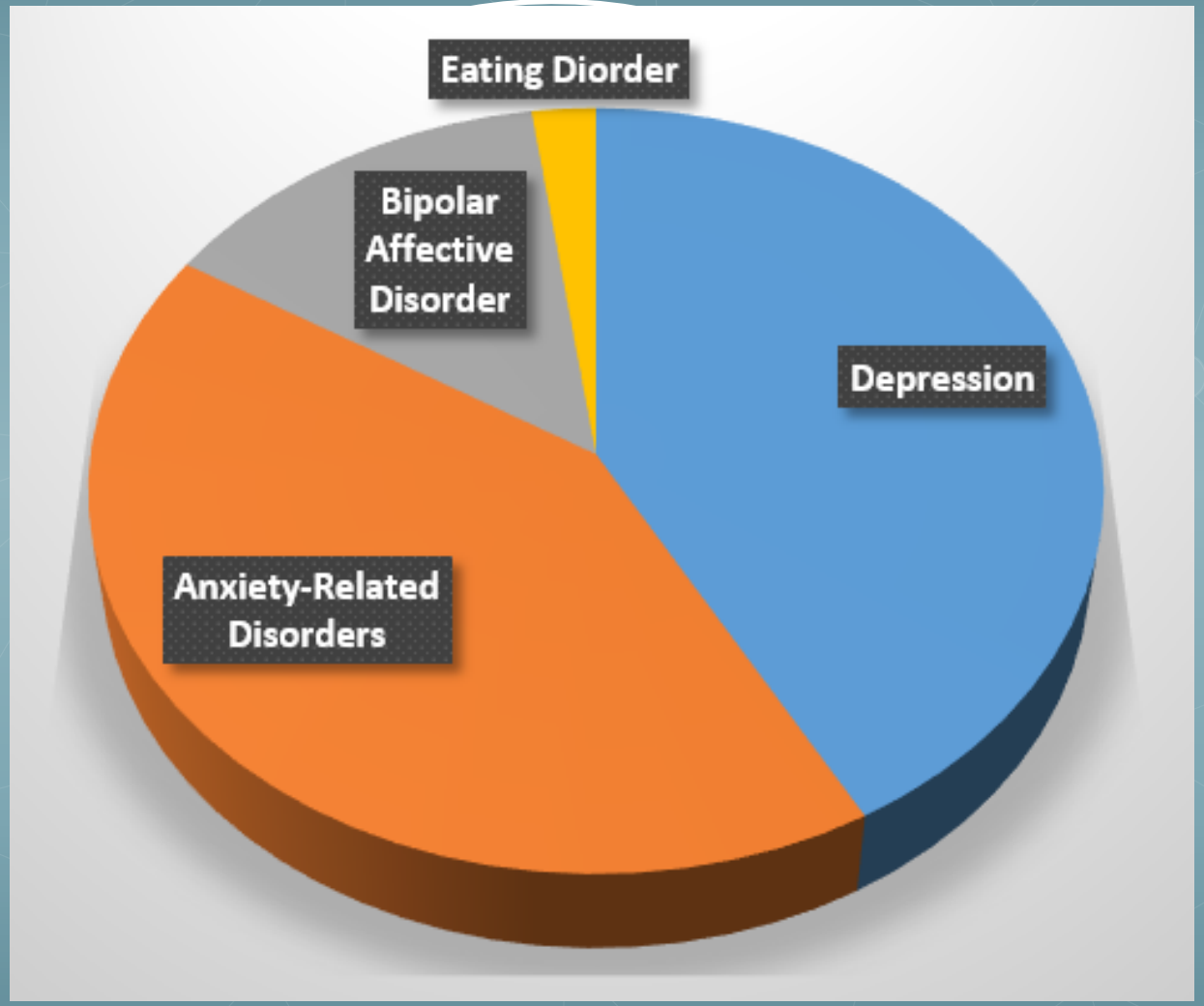
ZiYA

The Bot

Mental Stress Relief Chat Bot

PROBLEMSTATEMENT

As the pandemic goes by, psychological state has become a vital side of our daily lives. Individuals still don't feel comfortable
to speak to people regarding their psychological state and frequently tend to keep their issues to themselves, this typically results in the
build-up of stress in their minds.



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ZiYA aims to help people get rid of depression and anxiety issues by having conversations with the user and asking them questions to let them share their thoughts and feelings. It also provides suggestions to consult a psychologist.

FEATURES

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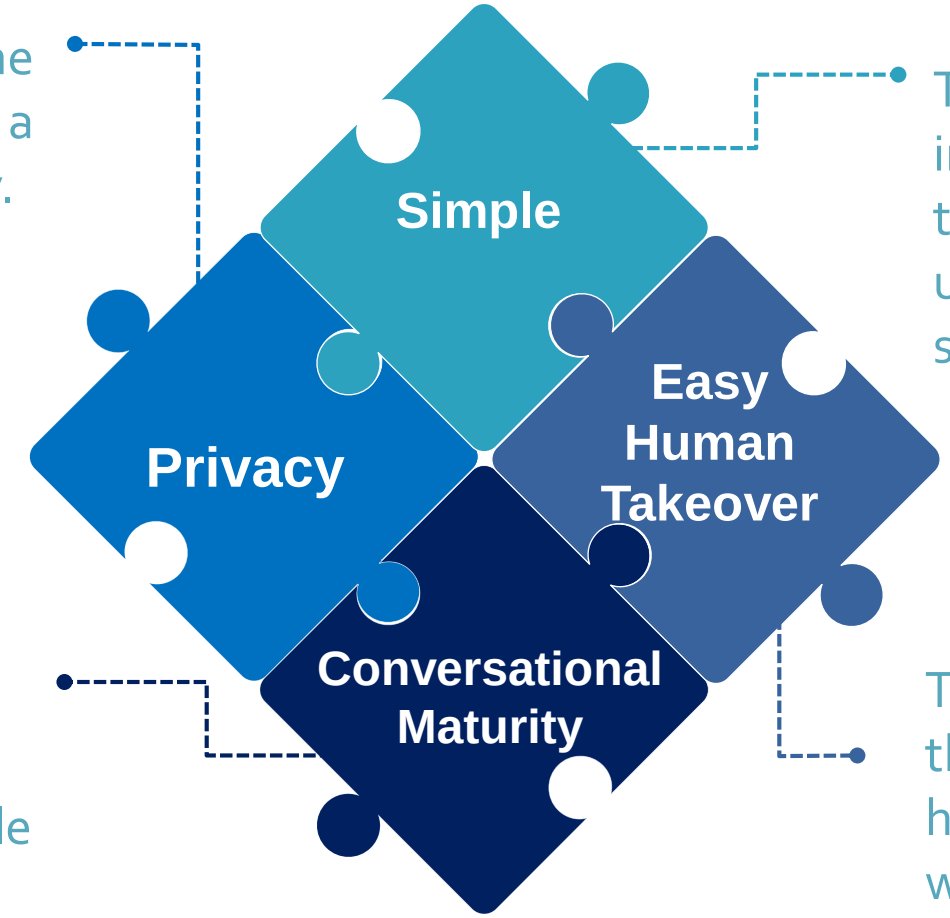
The chatbot neither saves the data nor share the data with a third party.



The chatbot has an intuitive interface. It deals with most of the problems and queries of the user and provides best possible solutions.

The chatbot is capable of understanding the context of conversation and become capable of identifying the intention of answer.

The chatbot can handle most of the queries of user without much human intervention and interact with user like a human, which makes the user feel aesthetically appealing.

Why ZiYA?

- Life Saving with Positive Thinking.
- Emotionally Intelligent.
- No more struggle in silence.
- Suggest Psychologist when the user issues are beyond the capabilities of ZiYA.

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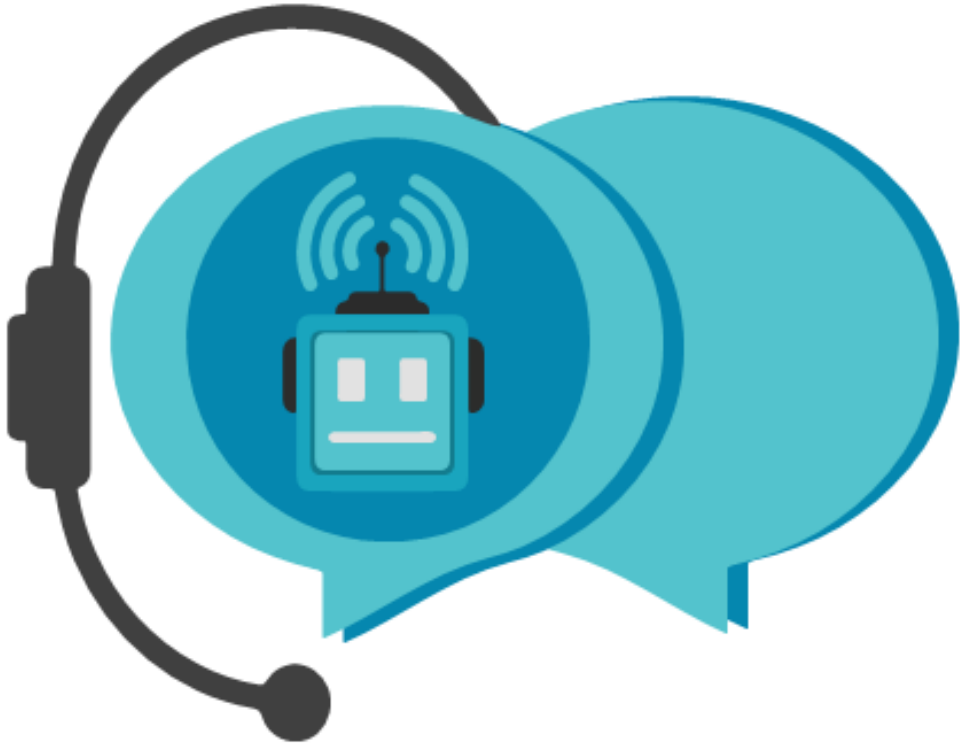
How does ZiYA work?



1. The user can chat with the bot and discuss upon his problems and the bot on the basis of tokenization method detects keywords and acts accordingly.

2. The bot asks the user a series of questions and suggest some ways to cope up better.

3. If the user is not satisfied and needs additional help; the bot suggests the user to consult Psychologists.

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TECHNOLOGIES

USED

- The Project ZiYA consist of two parts. The Frontend and the backend.
- Front-end development in web application are HTML5, CSS3 for the structuring, styling and adding behavior to the UI.
- The backend development, the software interfaces used is Rasa(A python framework)

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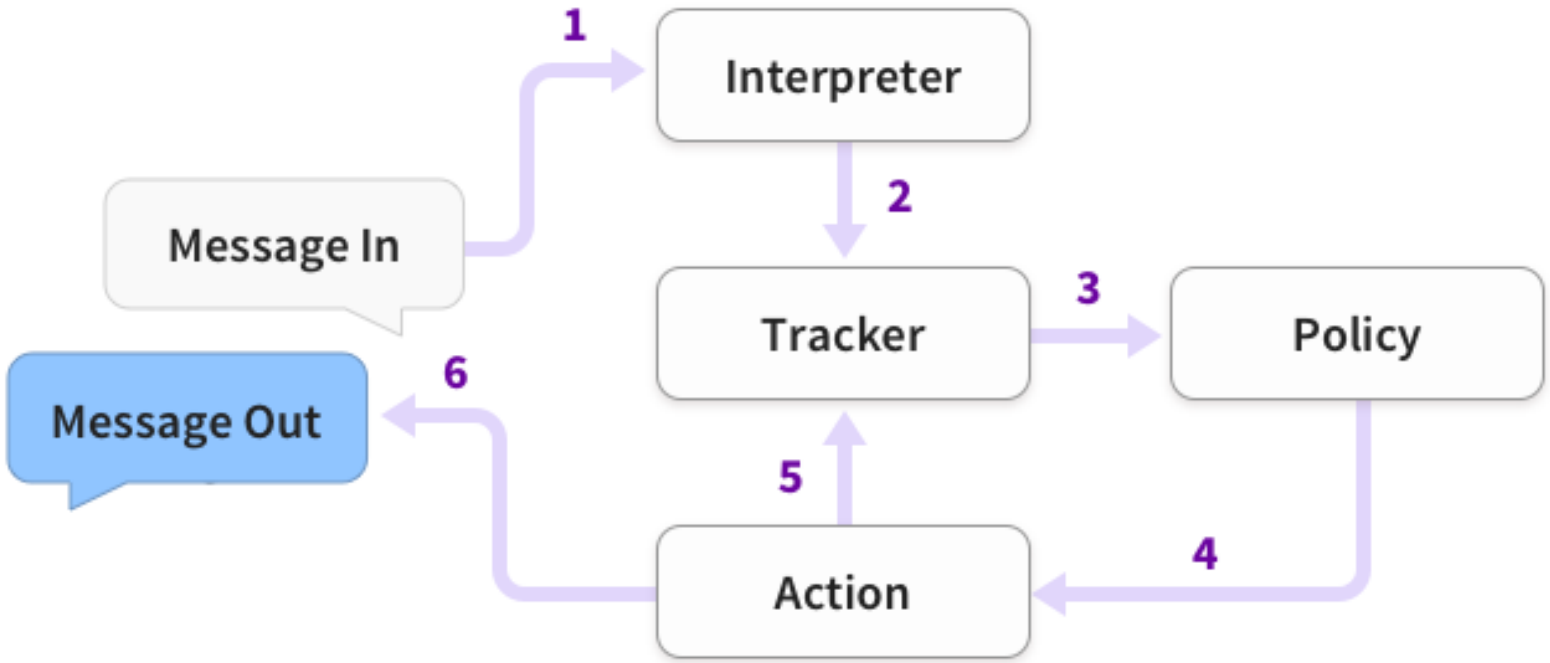
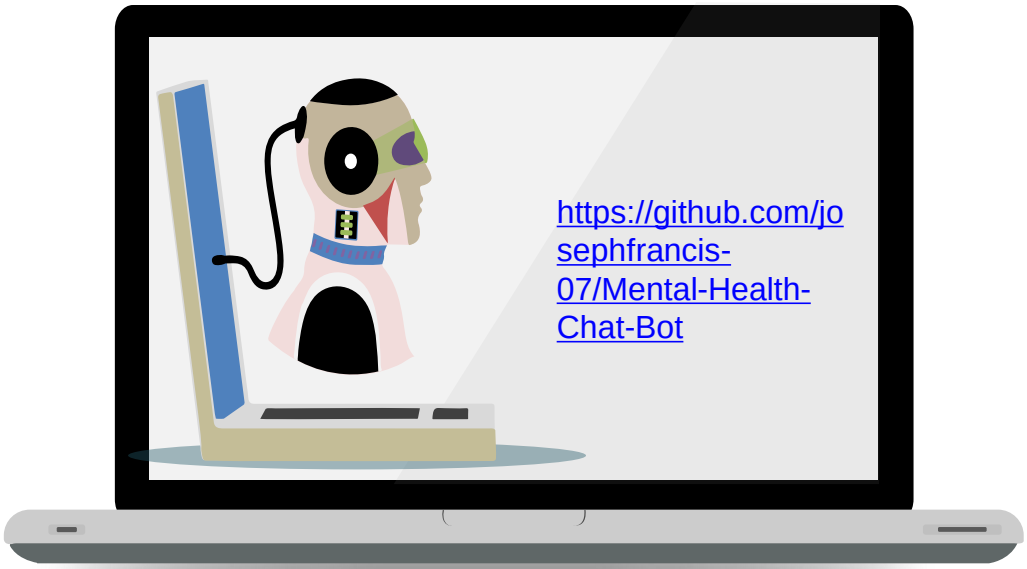
RASA

THE PYTHON FRAMEWORK

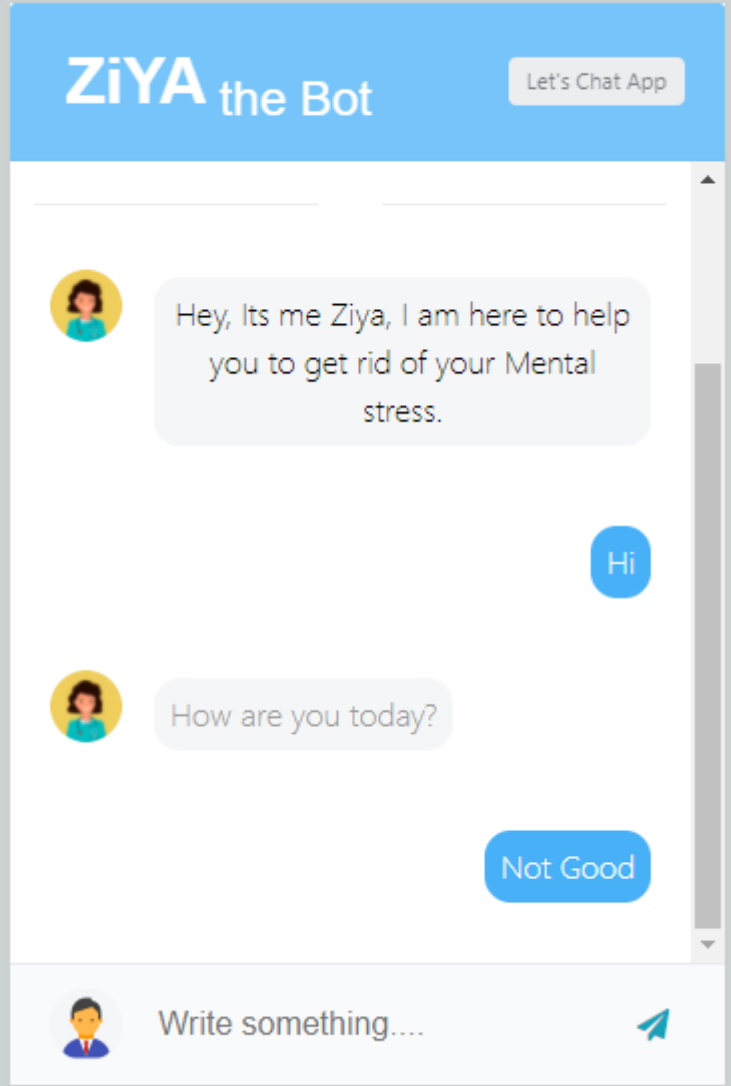


Working of Rasa

ZiYA



https://github.com/josephfrancis-07/Mental-Health-Chat-Bot



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Is ZiYA Advertisable?

- Recommendations from Psychologists and doctors.
- Sharing the ideas and benefits of ZiYA with the help of Internet and Social Media.

- Suggestion from Colleagues.
- With the help of organizations like NCBI.

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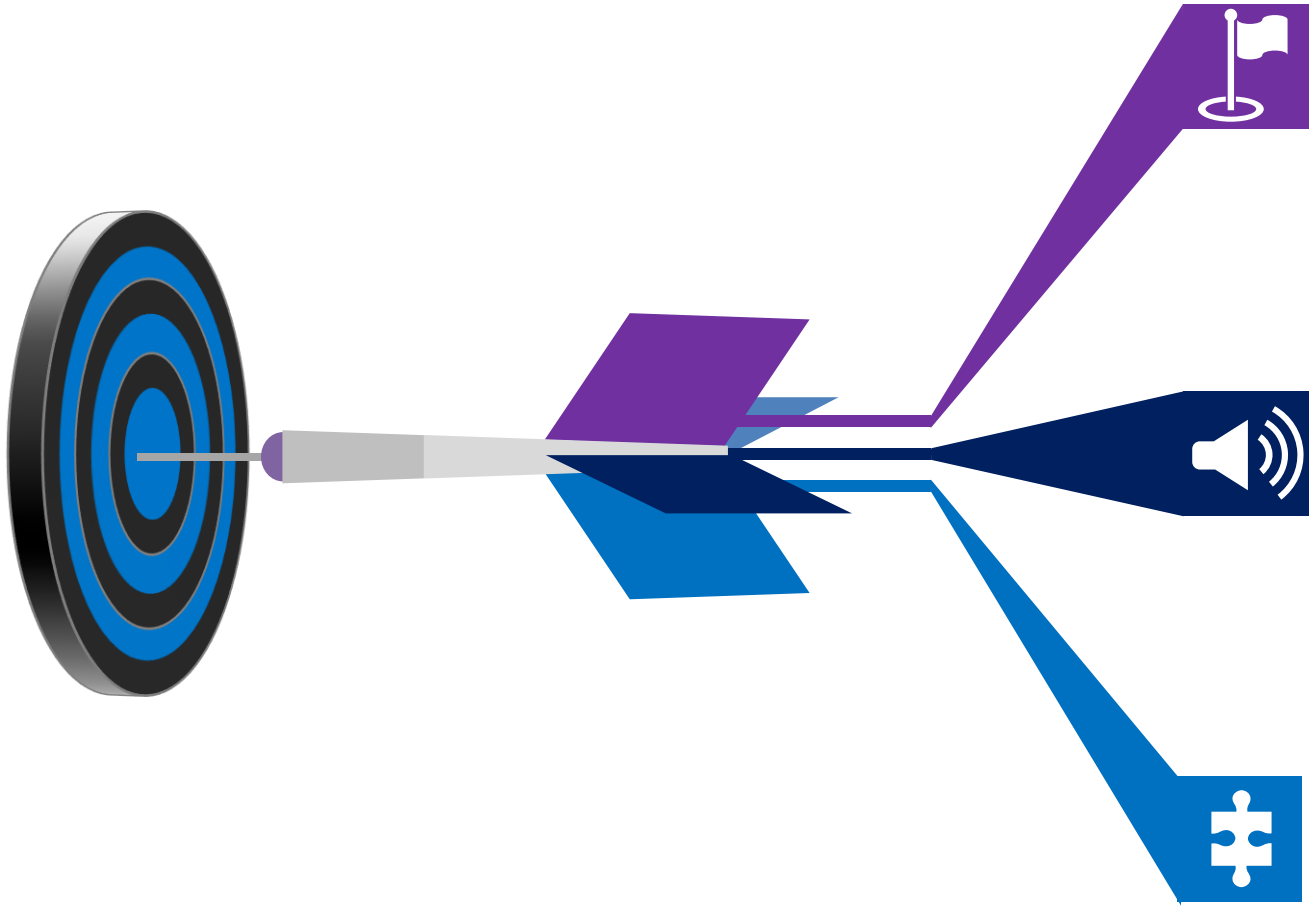
The light for mentally stressed.

Future Scope



Integration of Front-end and Backend to make it more user-friendly.

Audio recognition software can be added to increase the understandability can be improved and response can be made in a natural conversation language with the help of techniques like natural language processing and natural language generation.

More training can be done so that the bot can understand more keywords which can be used to identify and extract useful data from inputs.

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Thank You

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