



KRATZZ

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LANGUAGE AND SENTIMENT
DETECTING CHATBOT USING NLP
FINAL YEAR PROJECT (2018-21)



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Introduction

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- A computer program designed to simulate conversations with users via text or speech.
- It works on a pattern matching technique to classify the input and produce a suitable response.
- This chatbot uses retrieval-based architecture.
- Kratzz can detect, translate and analyze the sentiments of the text.

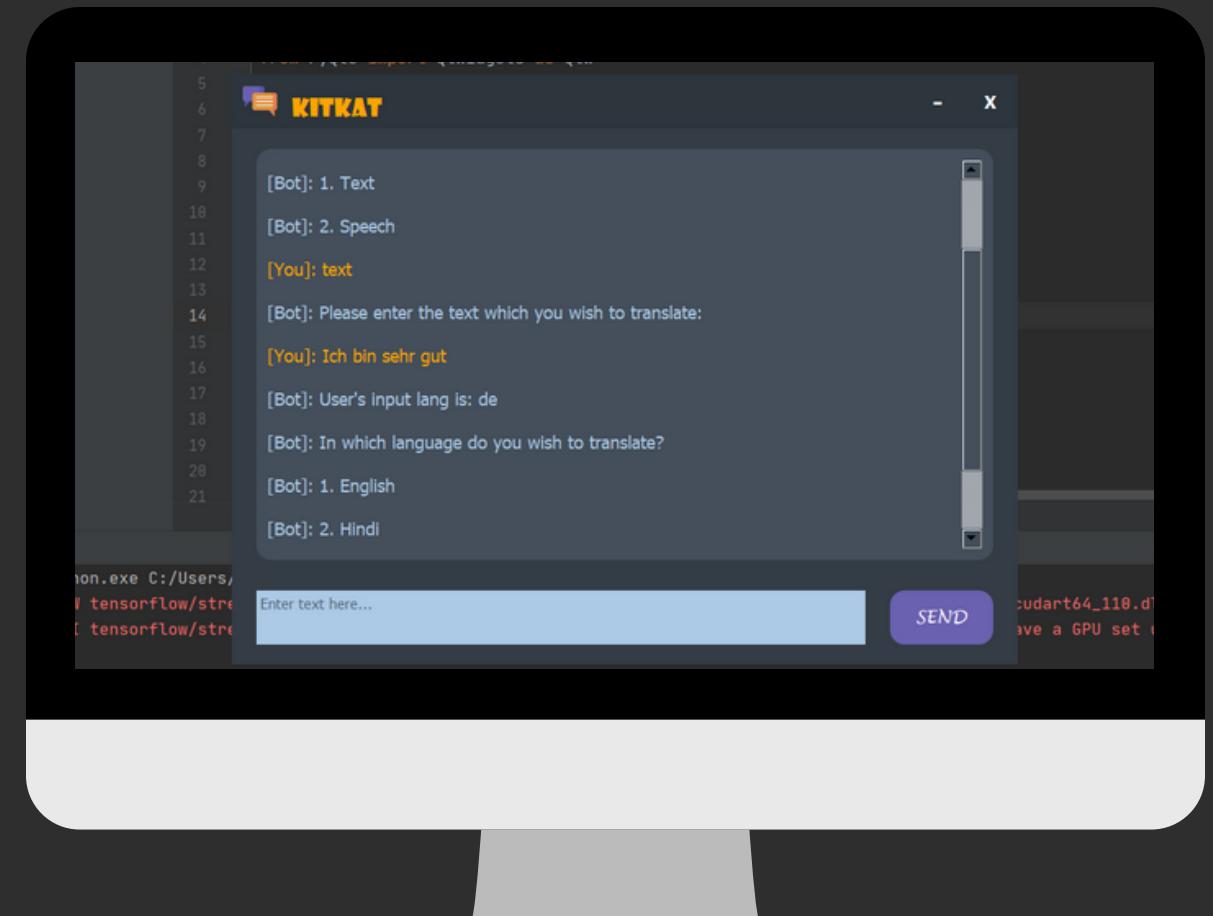




Problem Definition

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Developed to resolve the issue of detecting the language and translating it into the language which a user understands.



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Objective

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Resolve the communication issue faced by the users by detecting, translating, and implementing sentiment analysis.



Functions



User Interface



Integration



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Platforms Used



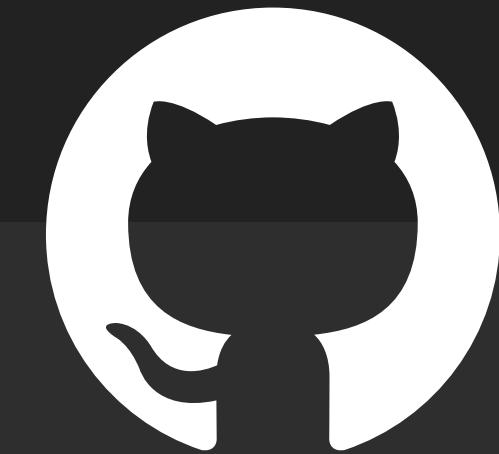
PyCharm

Cross-platform, full-featured,
and versatile IDEs for python
development



Qt Designer

Design the user interface
through the designer



Github

Version control and
collaboration



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Libraries Used

langdetect

google_trans_
new

speech
recognition

transformers

PyQt5

pyaudio



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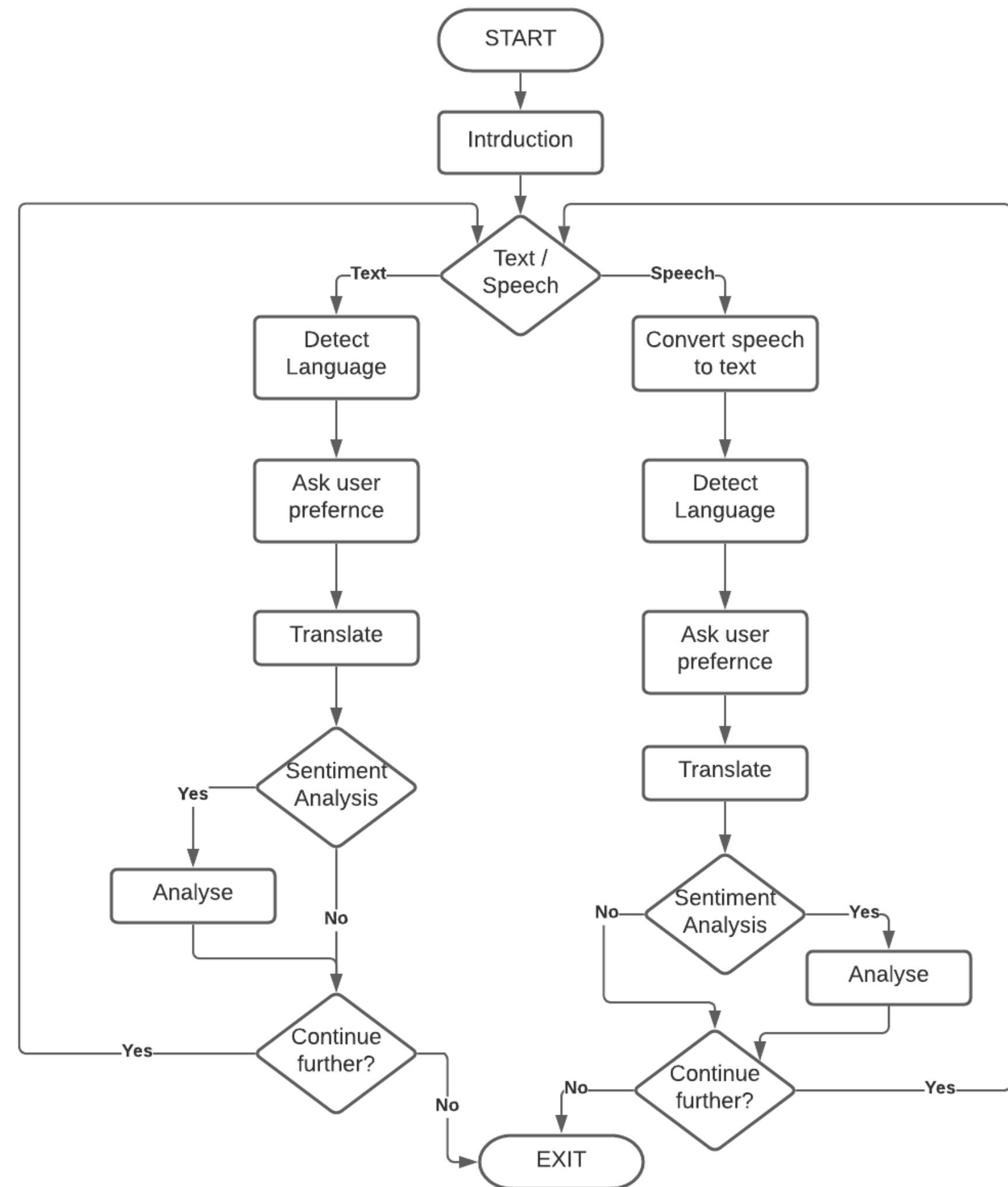
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Project Explanation

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Future Scope

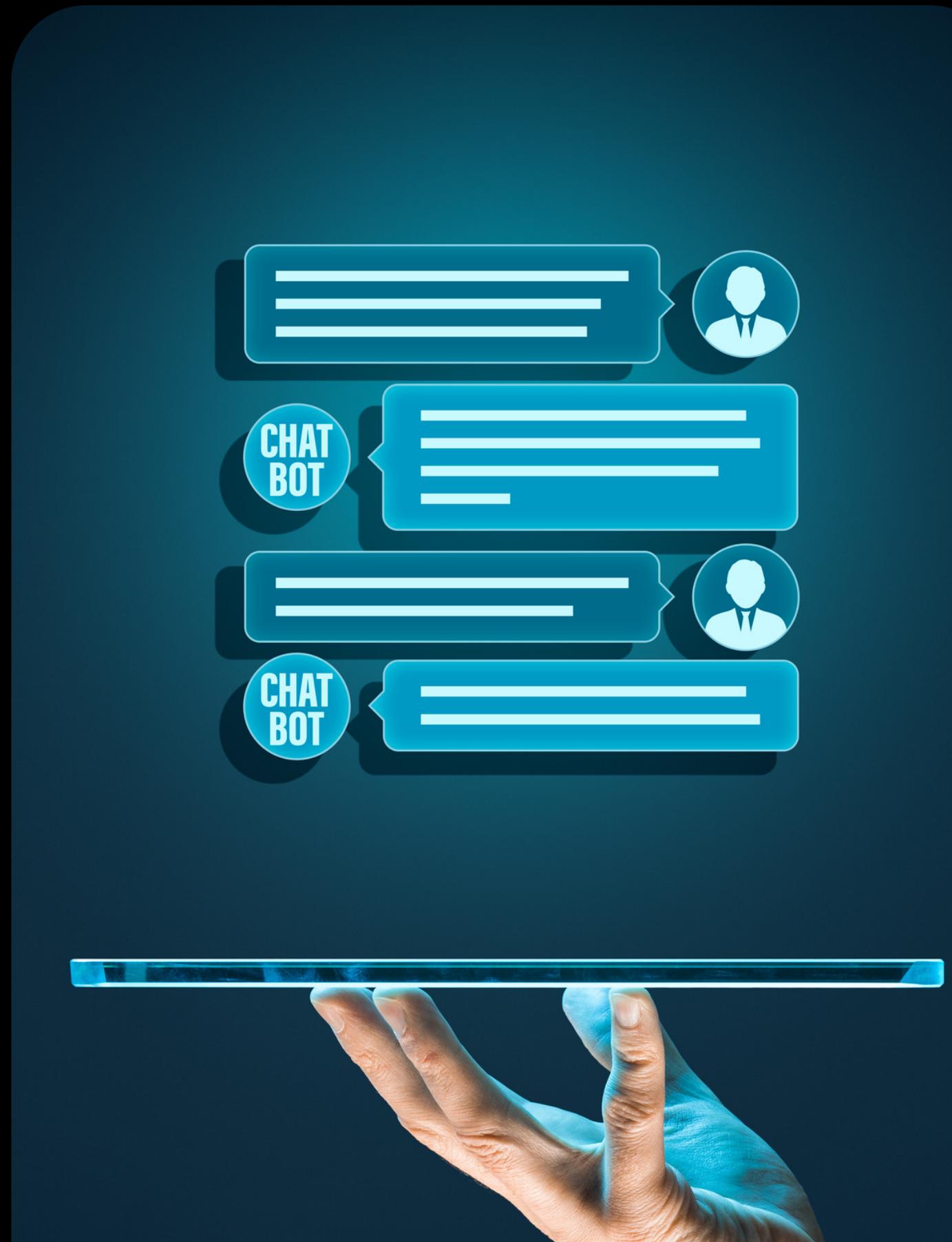
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- Normal conversation with the chatbot by implementing machine learning
- More accurate result when detecting a single word
- Recognizing speech commands
- Having an option to upload audio files and then translating it
- Giving voice outputs
- Converting a web application to an android application





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CONCLUSION

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THANK YOU!