

WhatsApp Chat Bot for Exams

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Outline

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Introduction

- Chatbots, also known as conversational agents, are designed with the help of AI (Artificial Intelligence) software. They simulate a conversation (or a chat) with users in a natural language via messaging applications, websites, mobile apps, or phone.
- Why are chatbots important? A chatbot is often described as one of the most advanced and promising expressions of interaction between humans and machines.



Objective

- Improve user experience: By adding a new self-service tool. ...
- Better manage contact flows: Reduce the number of calls with low added-value. ...
- A common messaging tool,
- Available 24/7
- Improve customer knowledge.



Literature



Sr. No	Title	Authors with Years	Learning Techniques	Algorithms Used	Summary	Challenges
1	CHATBOT IN PYTHON	Akshay Kumar1, Pankaj Kumar Meena2, Debiprasanna Panda3, Ms. Sangeetha4	Chat Bot	Latent Semantic Analysis	A chatbot is a computer software program that conducts a conversation via auditory or textual methods. This software is used to perform tasks such as quickly responding to users, informing them, helping to purchase products and providing better service to customers. Chatbots are programs that work on Artificial Intelligence (AI) & Machine Learning Platform. Chatbot has become more popular in business groups right now as it can reduce customer service costs and handles multiple users at a time. But yet to accomplish many tasks there is a need to make chatbots as efficient as possible.	A challenge would be conversing with the various multiple bot users and multiple users.
2	CHATBOT DEVELOPMENT USING PYTHON	Shreyashkar Sharma School of Computing Science and Engineering Galgotias University, Greater Noida	Pattern Matches		A chatbot is an artificial intelligence computer program which performs communication using audio and video system. A person can ask any questions and chatbot will answer accordingly. Nowadays a chatbot is highly popular and takes speed as a computer communication application. Chatbot system is in trend, thus it is being used on many websites. With the chatbot, one doesn't have to wait to talk to the customer helpline, they don't even have to search for shopping through	Difficulty in achieving standard requirements to maintain the preferred good quality .

Example of Conversation

User : Hello

Op : Hi there ! I am Exam Bot . I know about
following exams > 1) NDA 2) CDS 3) GATE

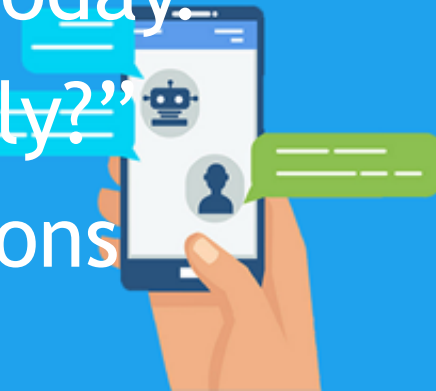
User : NDA

Op : You Have to choose above option and send to
me



How Do Chatbots Work

- Don't have a good understanding of conversation
- Are based on pattern matching
- Chatterbots have a set of input and output rules
- Recognize cue words from user and responds with a pre-calculated response
- For e.g.:- Human: "I am feeling very worried today."
- Chatterbot: "Why are you feeling worried lately?"
- Other chatterbots learn through user interactions

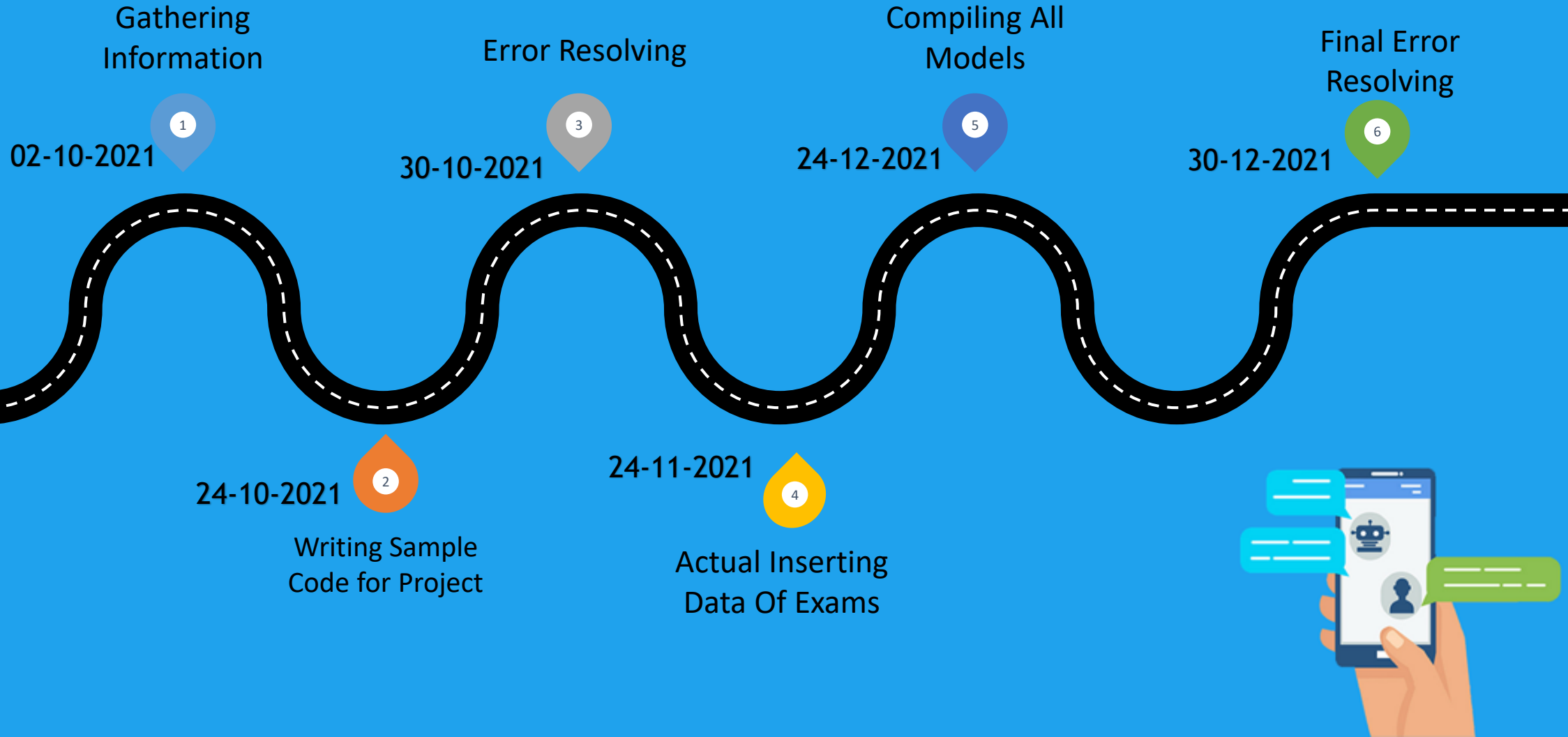


Tools Used



ngrok

Roadmap



Conclusion

- Chatbots are effective tools when it comes to education, IR, e-commerce, etc.
- The aim of chatbot designers should be: to build tools that help people, facilitate their work, and their interaction with computers using natural language; but not to replace the human role totally, or imitate human conversation perfectly.



References

- A web-based AI assistant Application using Python and JavaScript
- Chatbots : Bayan Abu Shawar, Eric Atwell
- Chatbot in Python
- Chatbot Development Using Python



Thanks!

