Tech Saksham

Capstone Project Report

ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING FUNDAMENTALS

“AI chatbot using chat GPT”

“College of engineering,Guindy”

NM ID	NAME
Au2021109020	LATHIKA M

RAMAR Trainer Name

Master Trainer

ABSTRACT

For the completion of NM course on AI&ML , a chatbot was created using python language .This project is created with set of python codes that uses for and while loops .The main idea is to greet the user with some typed message and answering based upon the upcoming inputs.

It leads to a conversation between the user and the AI system behind it .It can work with various platforms and so on.

INDEX

CHAPTER 1

INTRODUCTION

1.1 Problem Statement

To create a chatbot using ChatGPT as project using python as a programming language.

1.2 Proposed solution

A chat bot was created using python.

1.3 Feature

User can start chatting with typed messages.

1.4Advantages

Used in various platforms as basic code.

1.5. Scope

Automation of customer queries.

1.6 Future work

Use it for educational purposes.

CHAPTER 2

SERVICES AND TOOLS REQUIRED

2.1 Services Used

1.INTERNET

2.2 Tools and Software used

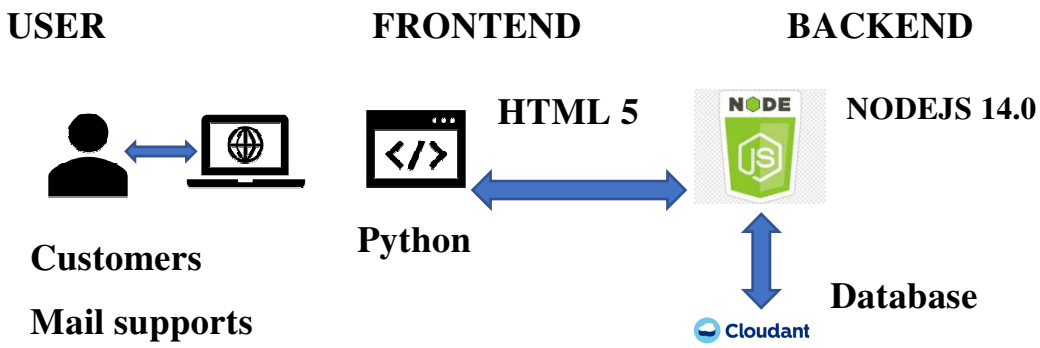
1.CHATGPT

2.PYTHON

CHAPTER 3

PROJECT ARCHITECTURE

3.1 Architecture



CHAPTER 4

PROJECT OUTCOME

```python
import random

# Define responses for different types of messages
greetings = ["hello", "hi", "hey", "greetings", "howdy"]
farewells = ["goodbye", "bye", "see you later", "farewell"]
questions = ["how are you?", "what's up?", "how's it going?"]
responses = {
    "greetings": ["Hello!", "Hi there!", "Hey!"],
    "farewells": ["Goodbye!", "See you later!", "Take care!"],
    "questions": ["I'm doing well, thanks for asking!", "Not much, just chatting with
}

def chatbot(message):
    if message.lower() in greetings:
        return random.choice(responses["greetings"])
    elif message.lower() in farewells:
        return random.choice(responses["farewells"])
    elif message.lower() in questions:
        return random.choice(responses["questions"])
    else:
        return "I'm sorry, I didn't understand that."

# Main loop
print("Welcome to the Chatbot! Type 'exit' to quit.")
while True:
    user_input = input("You: ")
    if user_input.lower() == "exit":
        print("Chatbot: Goodbye!")
        break
    else:
        bot_response = chatbot(user_input)
        print("Chatbot:", bot_response)
```

FUTURE SCOPE

QUERY AUTOMATION

DOUBT CLEARING IN EDUCATION

REFERENCES

https://github.com/LATHIKA2/LATHIKA-NM-SPACE.git

CODE

Please Provide Code through Git Hub Repo Link

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# Define responses for different types of messages
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    "questions": ["I'm doing well, thanks for asking!", "Not much, just chatting with you!", "It's going fine, how about you?"]
}

def chatbot(message):
    if message.lower() in greetings:
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    elif message.lower() in farewells:
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