Read me

# Cyber Security Awareness Chatbot

Welcome to the \*\*Cyber Security Awareness Chatbot\*\* project! This chatbot is designed to educate users about cybersecurity topics in an engaging and user-friendly way. It provides information on phishing, password safety, public Wi-Fi risks, and more.

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## Features

- \*\*Interactive Chat Interface\*\*:

- Simulated typing effect for a conversational feel.

- Recognizes synonyms such as "exit," "leave," or "quit" and asks for confirmation before exiting.

- Prevents repeated responses to identical questions.

- \*\*Enhanced Console UI\*\*:

- Colored text, spacing, borders, and symbols for a visually structured interface.

- Section headers and dividers for better readability.

- User-friendly layout and design.

- \*\*Cybersecurity Knowledge Base\*\*:

- Provides detailed responses to common cybersecurity queries.

- Topics include phishing, password safety, scams, public Wi-Fi, device security, and more.

- Dynamic response handling based on user input.

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## How It Works

1. \*\*Ask Questions\*\*:

- Users can ask any cybersecurity-related question (e.g., "What is phishing?" or "How can I protect my passwords?").

- The chatbot replies with helpful, informative answers.

2. \*\*Exit Confirmation\*\*:

- Users can type "exit," "leave," "quit," etc., and the chatbot will confirm if they wish to end the session.

3. \*\*Typing Simulation\*\*:

- The chatbot simulates a "typing" effect to mimic natural interaction, making the conversation feel more engaging.

4. \*\*Duplicate Question Handling\*\*:

- If a user asks the same question twice, the chatbot will remind them and encourage asking something new.

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## Setup Instructions

Follow these steps to set up and run the chatbot:

### Prerequisites

- \*\*.NET Framework/Core\*\* installed on your system.

- A C#-compatible IDE (e.g., Visual Studio, JetBrains Rider).

- Basic knowledge of C# and console applications.

### Steps

1. Clone this repository:

```bash

git clone https://github.com/YourUsername/CyberSecurityChatbot.git

cd CyberSecurityChatbot

```

2. Open the project in your IDE.

3. Build the project to restore dependencies.

4. Run the application:

- Launch the project as a console application.

- Enter your name when prompted and start chatting with the bot.

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## Example Usage

### Starting the Chat:

```plaintext

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= Welcome, Nyasha! =

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Feel free to ask me any cybersecurity-related questions!

Hint: You can ask about phishing, password safety, scams, public Wi-Fi, or device security.

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You: What is phishing?

Bot: Let me think...

Bot: Phishing is a scam where attackers trick you into revealing personal info via fake emails or websites.

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You: leave

Bot: Did you mean to exit the chat? (yes/no)

You: yes

Bot: Session ended. Remember to always stay vigilant online!

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## Contributing

Contributions are welcome! If you'd like to contribute to this project:

1. Fork the repository.

2. Create a new branch for your feature/bugfix.

3. Submit a pull request with a detailed description of your changes.

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## License

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