Presentation: Chatbot for Cybersecurity Awareness

1: Title Title: Chatbot for Cybersecurity Awareness

Subtitle: Using AI to Improve Online Safety

2: Introduction Online safety is essential, and cybersecurity risks are increasing.

- Our chatbot offers real-time advice and ideas on cybersecurity.

- created as a console application in C#.

3: Chatbot Features: Voice Greeting: Plays an audio message to greet the user.

The ASCII logo serves as the chatbot's visual identity.

- User Interaction: Customizes answers after requesting the user's name.

Typing impact Simulation: Provides a realistic text impact to increase engagement.

- Query Handling: Responds to user inquiries about cybersecurity.

Meaningful interactions with the chatbot are ensured by input validation.

4: How It Operates

- Voice Greeting: Welcomes users using the SpeechSynthesizer class.

- A visual depiction of the bot is produced by the ASCII Art Display.

- User input: Gathers user questions and verifies answers.

Handling Queries: Responds to inquiries about cybersecurity, such as password security and phishing.

'exit' is the command that lets users end the chat session.

5: Dissection of the Code

- Main Method: Manages the operation of the chatbot.

- Voice synthesis is used in the PlayVoiceGreeting Method.

- The bot's logo is displayed using the DisplayAsciiLogo method.

- The TypeText Method mimics the appearance of typing.

- The RespondToQueries method controls user communication.

Make sure user inputs are meaningful by using the input validation method.

6: The Chatbot's Advantages

- raises awareness of cybersecurity.

- gives immediate advice on staying safe online.

- uses an engaging interface to keep users interested.

- All users will find it easy to use and accessible.

7: Upcoming Enhancements

* adding additional cybersecurity-related subjects to the knowledge base.
* incorporating Natural Language Processing (NLP) to improve communication with users.
* expanding accessibility by creating a graphical user interface (GUI).
* putting in place procedures for real-time threat detection.

8: Summary

- A step in raising awareness of cybersecurity is the chatbot.

- It engages people while imparting important knowledge about internet safety.

- It will become even more reliable and efficient with future improvements.

9: I'm grateful!

Question and Answer Period