PBEL VIRTUAL INTERNSHIP

Project Title : BookCopilot-Watson-Based Book Recommender

Submitted By:

Name:Shahnoor Khan

College: United College Of Engineering And Research

Submitted To:

Name:R.Devnath

Declaration

I hereby declare that this project report titled **"BookCopilot – A Watson-Based Book Recommender"** is the result of my own work carried out during the **IBM PBEL Virtual Internship**. The project is original, and no part of it has been copied or submitted elsewhere for any other course or internship.

Acknowledgement

I would like to express my heartfelt gratitude to my project guide, **Mr. R. Devnath**, for his valuable support, guidance, and encouragement throughout the project. His constructive feedback and constant motivation helped me complete this internship successfully.I also extend my sincere thanks to the IBM PBEL team for providing this wonderful opportunity to gain practical experience. My appreciation also goes to my college, United College of Engineering and Research, and my peers for their continuous support during the course of this internship.

PROJECT DESCRIPTION

- This chatbot helps users discover books using AI-powered conversation.
- Built on IBM Watson Assistant to provide accurate recommendations.
- Accessible via a simple and user-friendly website.

PROBLEM STATEMENT

- Huge number of books makes it hard to decide.
- Users struggle to get relevant recommendations.
- Manual search takes too much time.

PROPOSED SOLUTION

- Conversational chatbot tailored for book discovery.
- Understands user queries and preferences in real-time.
- Available anytime through a web interface.

TECHNOLOGIES USED

- IBM Watson Assistant for chatbot functionality
- Frontend: HTML, CSS, JavaScript
- Hosted using GitHub Pages

IMPLEMENTATION STEPS

- Created intents and responses in Watson Assistant.
- Built dialog flow to cover different book genres.
- Connected the chatbot to a web page interface.
- Published using GitHub Pages.

KEY FEATURES

- Chat-based interface with natural language support.
- Supports multiple book categories like Fiction, Sci-Fi, etc.
- Minimalist and clean user interface.

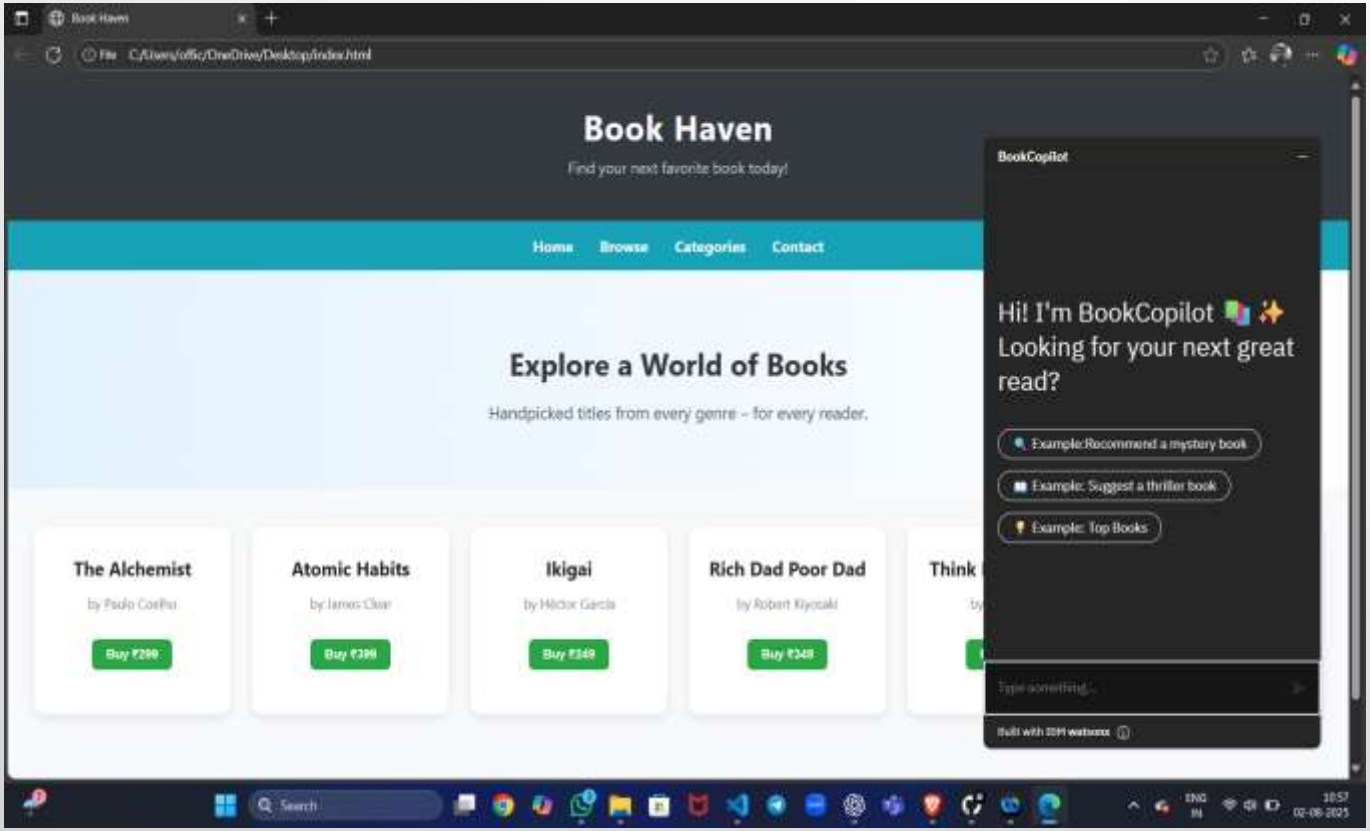
CHALLENGES & SOLUTIONS

- Challenge: Understanding what users like
- Solution:Used IBM Watson Assistant to understand user input, including genres, moods, and interests, with the help of natural language understanding.
- Challenge: Giving personalized book suggestions
- Solution:Created a smart system that connects user choices to the right book categories, giving more accurate and useful recommendations.
- Challenge: Making conversations feel natural
- Solution:Designed smooth and friendly chat flows using Watson to make the chatbot feel more human and easy to talk to.

FUTURE SCOPE

- Voice assistant feature for hands-free use.
- Book ratings and reviews integration.
- Language options for wider accessibility.
- Integration with online bookstores.

OUTPUT SCREEN



CONCLUSION

- AI chatbots enhance how we find and choose books.
- Watson Assistant enables smart, engaging suggestions.
- This system simplifies the reading journey for users.