



PBEL VIRTUAL INTERNSHIP

**PROJECT TITLE : BOOK RECOMMENDATION CHATBOT USING
IBM WATSON ASSISTANT**

SUBMITTED BY:

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DECLARATION:

I hereby declare that this project report titled "Book Recommendation Chatbot Using IBM Watson Assistant" is a 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.



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PROJECT DESCRIPTION

- A web-based chatbot that suggests books based on user interests.
- Built using IBM Watson Assistant.
- Offers personalized recommendations via a simple chat interface.

PROBLEM STATEMENT

- Too many books, difficult to choose
- Generic recommendations lack personal touch
- Time wasted on irrelevant searches

PROPOSED SOLUTION

- AI-powered chatbot for book suggestions
- Understands user preferences using natural conversation
- Easy-to-use web interface

TECHNOLOGIES USED

- IBM Watson Assistant
- HTML, CSS, JavaScript
- GitHub Pages (for deployment)

IMPLEMENTATION STEPS

- Created intents and entities in Watson Assistant
- Designed dialogs for book recommendations
- Integrated chatbot into a website
- Deployed using GitHub Pages

KEY FEATURES

- Real-time chat interface
- Genre-based suggestions (Mystery, Horror, etc.)
- Simple and accessible design

CHALLENGES & SOLUTIONS

- Understanding inputs → Solved using intents/entities
- Web integration → Used Watson web chat script
- User-friendly UI → Built using basic HTML/CSS

FUTURE SCOPE

- Add voice support
- Connect to book databases (like Google Books API)
- Include reading history
- Support multiple languages

CONCLUSION

- IBM Watson Assistant makes book discovery smart and easy
- Chatbot saves time and improves user satisfaction
- Simple, intelligent, and ready for future upgrades