CHAPTER 5

5.1 Future Work

- Integrate chatbot with EHR systems to provide personalized medical advice.
- Enhance AI models for improved accuracy in symptom detection and diagnosis suggestions.
- Implement voice-enabled interactions for a more user-friendly experience.
- Expand functionalities to include appointment scheduling, medication management, and health coaching.
- Improve security and compliance with healthcare regulations, including HIPAA.

5.2 Conclusion

The Healthcare Assistant Chatbot is an innovative solution that enhances accessibility to medical information while reducing manual workload for healthcare professionals. By leveraging AI and NLP, the chatbot efficiently responds to user queries, making healthcare assistance more accessible and efficient. Future enhancements will further improve its usability, accuracy, and integration with healthcare ecosystems.