CAPSTONE PROJECT

MY COLLEGE – CHAT BOT

Presented By:

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OUTLINE

- **Problem Statement** (Should not include solution)
- **Proposed System/Solution**
- **System Development Approach** (Technology Used)
- **Algorithm & Deployment**
- **Result**
- **Conclusion**
- **Future Scope**
- **References**

PROBLEM STATEMENT

The current communication and information retrieval systems in our college are outdated and do not effectively cater to the dynamic needs of the academic community. Students, faculty, and staff often face difficulties accessing essential information, obtaining quick responses to queries, and navigating through the student's Perspective.

PROPOSED SOLUTION

1. **User Interaction:** Engages users in natural language conversations, guiding them through the admission process.
2. **Information Collection:** Securely gathers essential user data such as name, contact details, exam scores, and course preferences.
3. **Query Handling:** Responds promptly and accurately to inquiries about course details, admission criteria, application status, and general college information.
4. **User Guidance:** Offers step-by-step assistance on completing applications, submission deadlines, and required documentation.
5. **Feedback Mechanism:** Incorporates user feedback to continuously improve response accuracy and user satisfaction.

SYSTEM APPROACH

- **Technology Used:** IBM Watson Assistant for natural language processing and dialogue management.
- **System Requirements:** Compatible with modern web browsers and mobile devices.

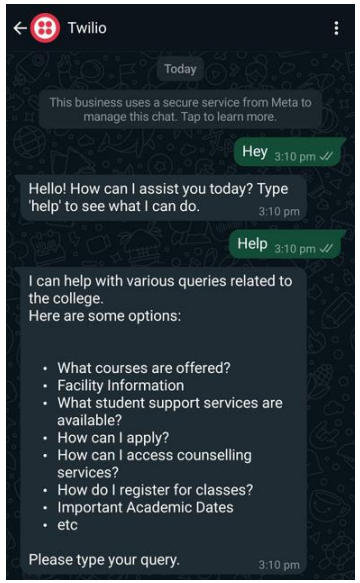
ALGORITHM & DEPLOYMENT

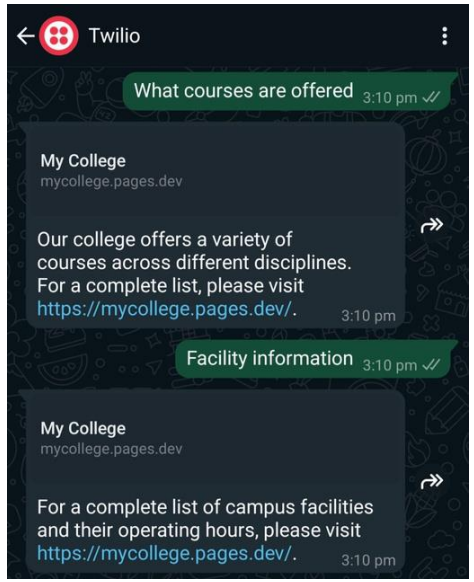
- In the Algorithm section, describe the machine learning algorithm chosen for predicting bike counts. Here's an example structure for this section:
- **Algorithm Selection:**
  - Provide a brief overview of the chosen algorithm (e.g., time-series forecasting model, like ARIMA or LSTM) and justify its selection based on the problem statement and data characteristics.
- **Data Input:**
  - Specify the input features used by the algorithm, such as historical bike rental data, weather conditions, day of the week, and any other relevant factors.
- **Training Process:**
  - Explain how the algorithm is trained using historical data. Highlight any specific considerations or techniques employed, such as cross-validation or hyperparameter tuning.
- **Prediction Process:**
  - Detail how the trained algorithm makes predictions for future bike counts. Discuss any real-time data inputs considered during the prediction phase.

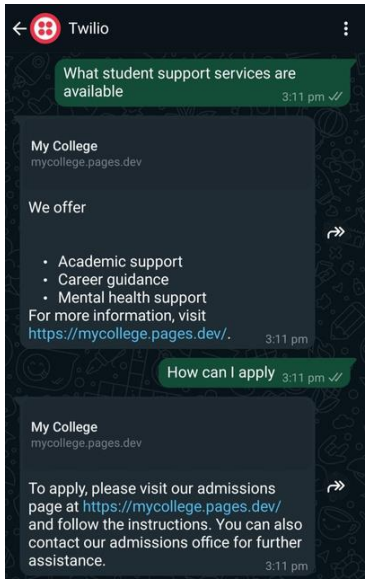
RESULT

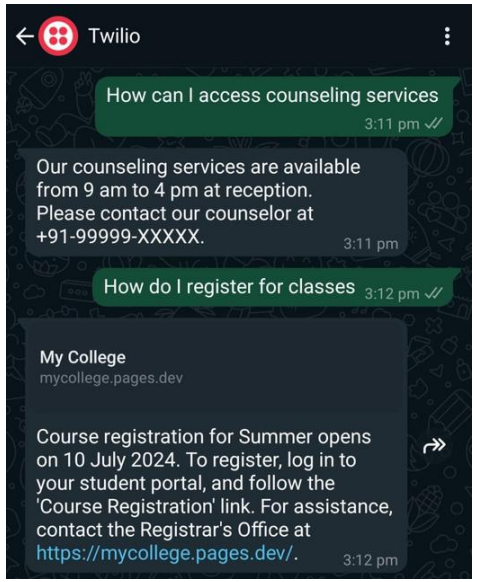
- Developed a college admission chatbot to simplify and enhance prospective students' application process.
- Facilitates intuitive and efficient interaction through natural language processing capabilities.
- Ensures secure and confidential handling of user data throughout the application journey.
- Enhances user experience by providing timely and accurate information tailored to individual queries.
- Feedback mechanism enables ongoing refinement of chatbot responses based on user interactions.

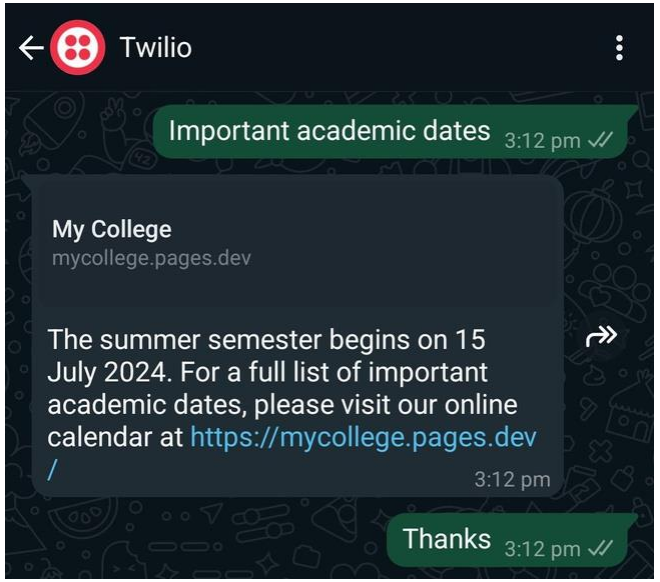
RESULT











GitHub Link: [AI Cloud Internship]

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CONCLUSION

- The college admission chatbot represents a significant advancement in improving accessibility and user experience in the admission process.
- By leveraging AI-powered natural language processing, it effectively addresses the informational needs of prospective students.
- Offers a scalable solution to accommodate future enhancements and adapt to evolving user requirements.
- Contributes to a streamlined and efficient admission process that benefits applicants and the institution.

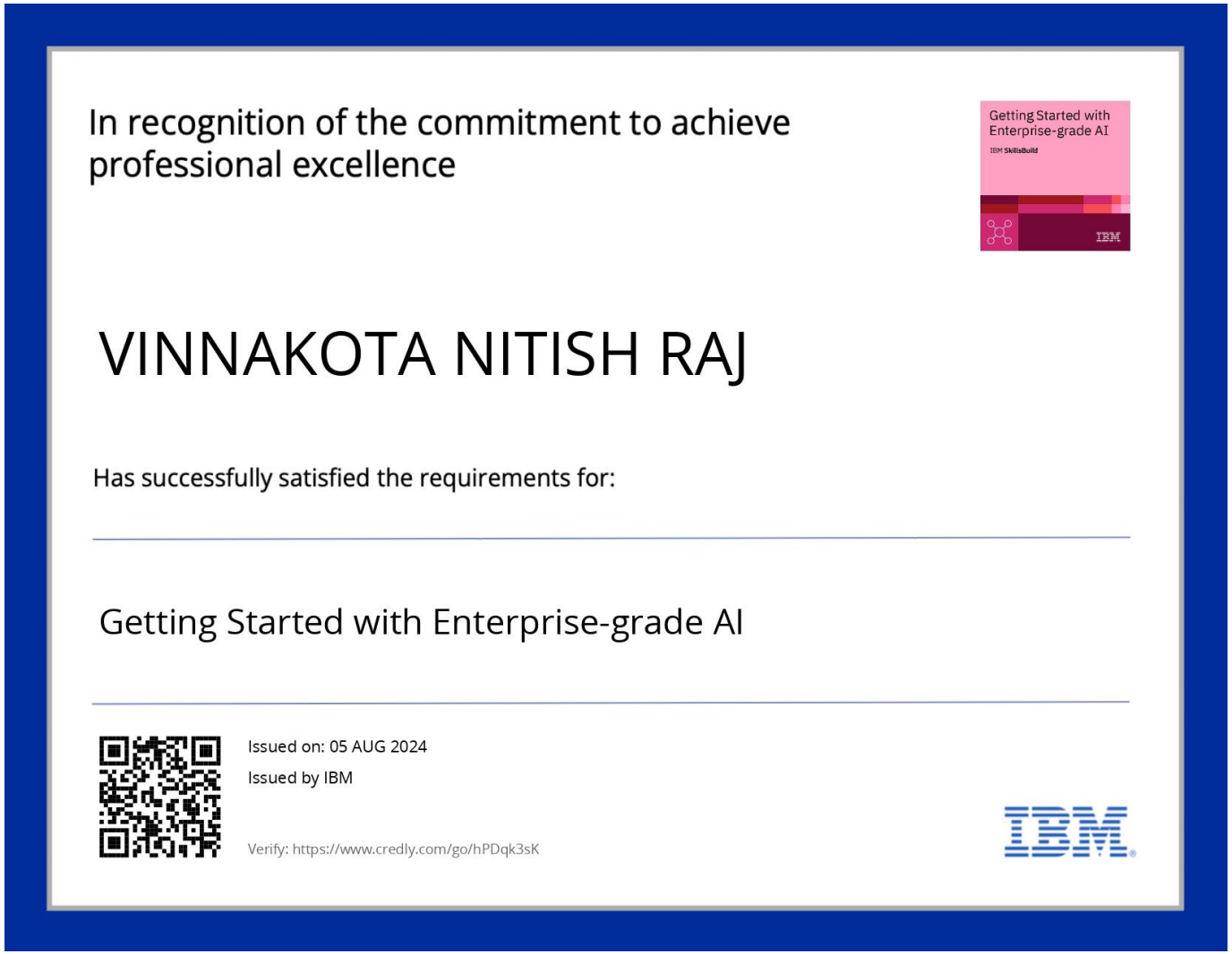
FUTURE SCOPE

- **Personalized Assistance:** Implement machine learning algorithms to offer personalised recommendations and adaptive guidance.
- **Multilingual Support:** Integrate language translation capabilities to cater to diverse applicant demographics.
- **Enhanced Features:** Incorporate virtual campus tours, interactive FAQs, and real-time application status updates.

REFERENCES

- IBM Watson Assistant tutorial

COURSE CERTIFICATE 1



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