FSP TELEGRAM CHATBOT

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Project Overview

- **Objective:** Develop an interactive AI-based chatbot integrated with Telegram to provide prompt responses to user inquiries.
- **Scope:** Enhance access to information about Futureskills Prime services, courses, and benefits for learners of all age groups, improving user interactions and engagement.

Proposed Solution

- Development of an advanced AI-chatbot utilizing NLP(Natural Language Processing) and machine learning for understanding user queries and providing efficient assistance and enhancing user experience.
- Personalized conversations and tailored responses.
- Increased efficiency by responding to queries quickly and with great accuracy.

Solution Implemented

- **Chatbot Development:** Developed an AI-chatbot integrated with Telegram leveraging NLP and Sentence Transformer models, utilizing various Python libraries. Python served as the primary programming language.
- **Dataset Organization:** Efficiently structured the dataset in CSV format, ensuring data readiness for the chatbot's training and operation.
- **Accuracy Measurement:** Implemented a Cosine Similarity Matrix to assess accuracy and offer precise responses to user queries.

Challenges Faced

- **Data Collection:** Creating a suitable dataset for training the chatbot.
- **Accuracy Improvement:** Improving the accuracy of responses to user queries.

Key Learnings

- **Project Management:** Gained insights into project initiation and progression.
- **Python Libraries:** Gained familiarity with libraries like Sentence Transformer, Chardet, and Fuzzy Wuzzy.
- **Accuracy Measurement:** Developed skills in accurately measuring the chatbot's performance.