**SherbatTalk**

**Intoduction:**

**Sherbat Talk is an app that allows users to create and participate in several rooms based on specific domains or topics. In those room users can have discussions or conversations. Along with this the system also provides basic Ai query answering with respect to the host defined knowledge base in the form of links and documents.**

**Features and Functionality:**

* **User Registration: Allows users to register and make accounts including details such as username, name, email, and profile picture.**
* **User Profile Update: Users can update their details such as name, description, and profile picture.**
* **Room Creation: Users can create rooms based on specific topics where participants can have conversations.**
* **Room Update: The host user can update room details such as description and name.**
* **Room Deletion: The host user can delete the room.**
* **Messaging: Participating users can send messages and have conversations with other users.**
* **Message Deletion: The author of a message can delete it.**
* **Knowledge Base: Within each room, hosts and participants can add relevant resources (links, PDFs, etc.) to a shared knowledge base.**
* **Automated Question Answering: The system will analyze user questions and compare them against the knowledge base. If a relevant resource exists, it will be automatically suggested to the user.**

**Technologies Used:**

**Front-end:**

* **HTML**
* **CSS**
* **JavaScript**

**Back-End:**

* **Python**
* **Django**
* **SQLite (Database)**
* **Django ORM (For using database)**
* **Jinja (Templating language)**
* **Pandas**
* **Scikit-learn**
* **NLTK**