

IMPLEMENTATION OF CHATBOT IN IBM COURSERA VIRTUAL CLOUD ENVIRONMENT

Demonstrating Chatbot Implementation and Challenges in Colab

During my coursework on Coursera, I successfully implemented the chatbot application within the **IBM Cloud environment**, where WatsonX AI was already integrated. This setup provided seamless access to the required AI capabilities without the need for manual API key configuration.

However, when attempting to run the same implementation in **Google Colab**, I encountered a key limitation—IBM WatsonX requires an **API key for authentication** in external environments. Since my Coursera-provided IBM Cloud environment had this integration pre-configured, I did not require an API key there.

Due to this restriction in Colab, I am unable to directly demonstrate the chatbot's functionality within this environment. Instead, I will showcase the working chatbot application by providing **screenshots from the IBM Cloud environment**, where the implementation was successfully executed. These images will illustrate the chatbot's interface, query processing, and response generation, ensuring a clear demonstration of its capabilities.





