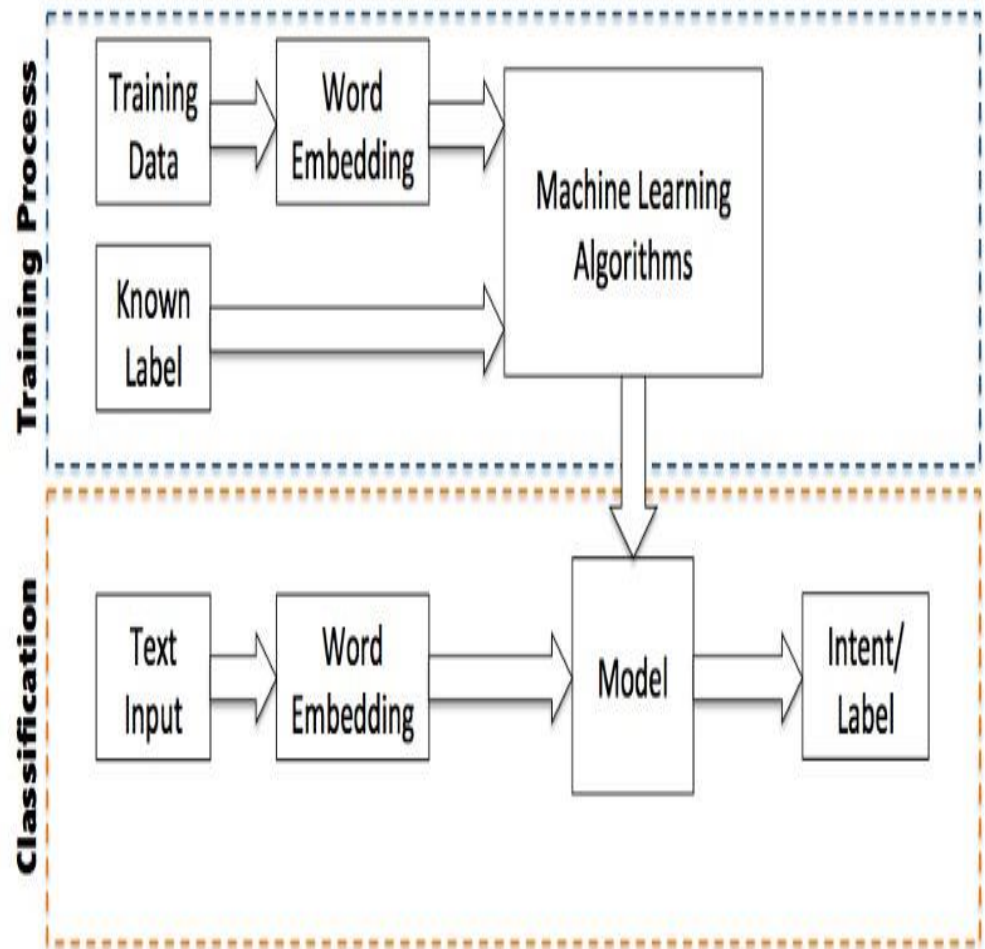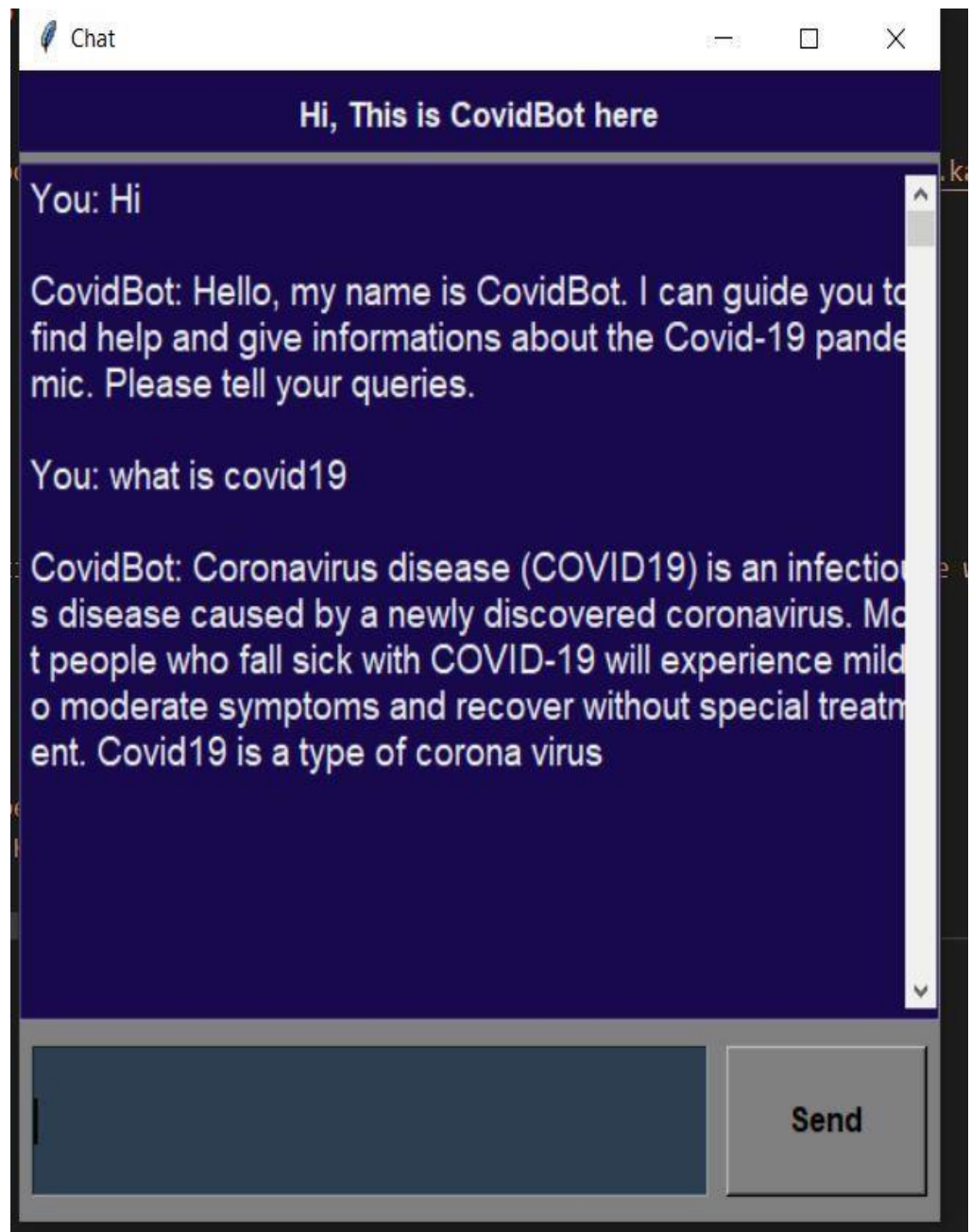|	
TITLE OF THE PROJECT	COVID-19 CHATBOT USING AI-ML
PROJECT ABSTRACT :	A chat bot is a kind of a software or an application which simulates conversations with users like humans via text messages on chat. Its job is to help the users by providing answers to their queries. In this Covid19 Chat bot, our aim is to help users with queries related to the Corona virus pandemic and train the bot in such a way so that it is able to answer those queries. We have made this chat bot using PyTorch, which is an open source machine learning library based on the Torch library, Deep Learning and Natural Language Processing (NLP) techniques.
PLATFORM USED (H/W & S/W TOOLS U	Python Language, Anaconda Navigator, Visual Studio Code

The design has been implemented with reference from:
https://bhashkarkunal.medium.com/conversational-ai-chatbot-using-deep-learninghow-bi-directional-lstm-machine-reading-38dc5cf5a5a3
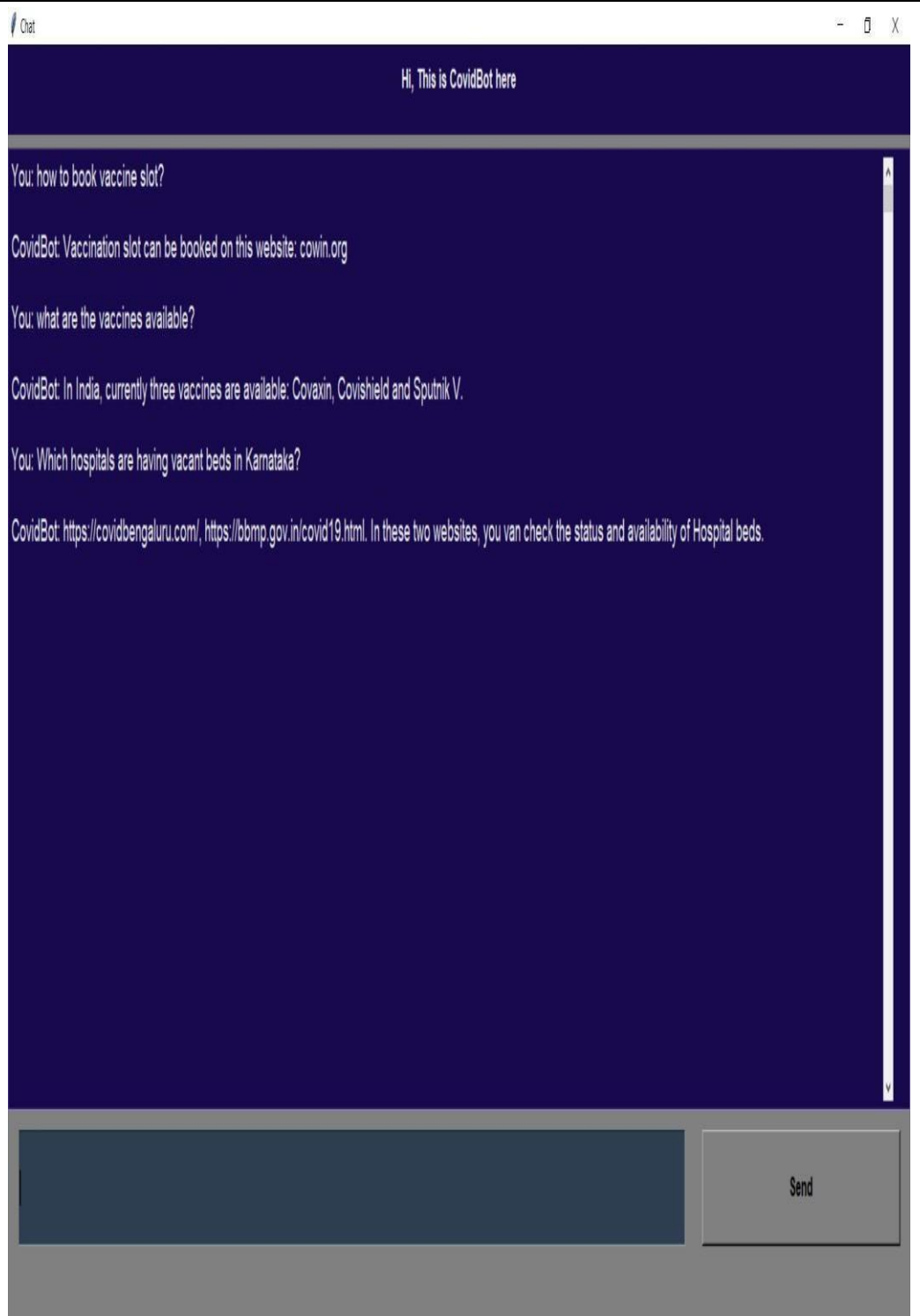
PROJECT SOURCE CODE LINK (GITHUB/ GOOGLE DRIVE)	https://drive.google.com/drive/folders/1F8JeAth1Jkjje3q7FM4K2LTN1vr9oDd?usp=sharing
CONCLUSION /FUTURE ENHANCEMENT	This Covid19 chat bot helps the users to navigate and find help and information them in this pandemic, by answering their queries related to issues such as safety, guidelines, treatments, etc. This chat bot can be helpful especially when human assistance is not available. Moving forward, some of the enhancements that we can visualize are: to make the bot be able to self-train, deploying the bot in any website as a widget or as an application in smartphones. Additionally, voice chat function can also be provided as an enhancement.

| UI SCREENSHOTS OF SAMPLE RESULTS | |

Chat

Hi, This is CovidBot here

You: Hi

CovidBot: Hello, my name is CovidBot. I can guide you to find help and give informations about the Covid-19 pandemic. Please tell your queries.

You: what is covid19

CovidBot: Coronavirus disease (COVID19) is an infectious disease caused by a newly discovered coronavirus. Most people who fall sick with COVID-19 will experience mild o moderate symptoms and recover without special treatment. Covid19 is a type of corona virus

Send

Chat — ☐ X

Hi, This is CovidBot here

You: how to book vaccine slot?

CovidBot: Vaccination slot can be booked on this website: cowin.org

You: what are the vaccines available?

CovidBot: In India, currently three vaccines are available: Covaxin, Covishield and Sputnik V.

You: Which hospitals are having vacant beds in Karnataka?

CovidBot: https://covidbengaluru.com/, https://bbmp.gov.in/covid19.html. In these two websites, you van check the status and availability of Hospital beds.

Send

REFERENCES	1. https://chatbotsmagazine.com/contextual-chat-bots-with-tensorflow4391749d0077 2. https://bhashkarkunal.medium.com/conversational-ai-chatbot-using-deeplearning-how-bi-directional-lstm-machine-reading-38dc5cf5a5a3