

Assignment #07

Hope to Skills

Free Artificial Intelligence Advance Course

Instructor: Irfan Malik, Dr. Sheraz

Submission:

- Create a new python file to implement this assignment.
- Submit a **.zip** file which contains the .py file and requirements.txt files. No other format will be accepted.
- Submission file should be named as **Assignment_07_StudentName.zip**
- Deadline for this Assignment is **Friday 02-08-2024**.
- Strictly follow the submission deadline.
- Make Submission in the **Assignment-07** Google Form and press the submit button.
- Click [here](#) to submit the Assignment

What you will learn

- Streamlit Application Development
- Speech recognition
- Text-to-speech synthesis
- Handling URDU language input and output

Solve the Following Task

Question 1: Create a Streamlit application where users can give a voice input in URDU. The application should process the input and generate a response in speech in URDU language.

(Marks 50)

- The application should have an interface to record voice input in URDU.
- Process the voice input to convert it into text.
- Generate a response based on the input text.
- Convert the response text back into speech in URDU.
- Display the generated speech output.

Expected Functionality:

Input: Urdu Voice

Output: Urdu Voice