

7. PROJECT DEMONSTRATION

7.1 Demonstration Overview

The project demonstration includes:

1. Running the application
2. Entering sample text
3. Selecting languages
4. Generating translation
5. Displaying output

7.2 Demo Workflow



The screenshot shows a Streamlit development interface. In the top-left, there are tabs for 'phonepe.py' (active), 'phone.py', 'phonepe2.ipynb', and 'phonepe.ipynb'. The main area displays Python code for a Streamlit application named 'pulse'. The code includes imports for Streamlit and Streamlit Option Menu, sets the page layout to wide, and defines a title and a subheader. Below the code, the terminal window shows the command to run the app: 'streamlit run c:/Users/suchi/OneDrive/Desktop/New folder/phone/pulse/phone.py [ARGUMENTS]'. The terminal also displays the path 'C:\Users\suchi\OneDrive\Desktop\New folder\phone>' and the date and time '2024-05-05 17:32:34.803'. A warning message follows, instructing to run the app in a browser using the provided command. The bottom of the screen shows the Windows taskbar with various pinned icons like File Explorer, Edge, and File Manager.

```
1 import streamlit as st
2 from streamlit_option_menu import option_menu
3
4 #streamlit part
5
6 #st.set_page_config(layout= "wide")
7 st.title("PHONEPE PULSE DATA VISUALIZATION AND EXPLORATION")
8 st.subheader("Registered user & App Installed -> State and Districtwise")
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS JUPITER SQL CONSOLE

PS C:\Users\suchi\OneDrive\Desktop\Desktop\New folder\phone> & "C:/Users/suchi/anaconda3/New Folder/python.exe" "c:/Users/suchi/OneDrive/Desktop/Desktop\New folder\phone/pulse/phone.py"

2024-05-05 17:32:34.803

Warning: to view this Streamlit app on a browser, run it with the following command:

streamlit run c:/Users/suchi/OneDrive/Desktop/Desktop\New folder\phone/pulse/phone.py [ARGUMENTS]

PS C:\Users\suchi\OneDrive\Desktop\Desktop\New folder\phone>

7.3 Sample Demonstration Scenario

Input:

Hello, welcome to India.

Source Language: English

Target Language: Hindi

Output:

नमस्ते, भारत में आपका स्वागत है।

7.4 Deployment

The application can be deployed using:

- Streamlit Cloud
- Render
- Localhost

Command:

```
streamlit run app.py
```

FINAL CONCLUSION

TransLingua successfully demonstrates the practical application of Large Language Models in real-world multilingual communication.

By integrating:

- Gemini Pro LLM
- Streamlit UI
- Python backend

The project provides an efficient, scalable, and intelligent translation system.
