

Introduction to Indic Trans2

Indic Trans2 is a powerful tool designed for text-to-text conversion, specifically for translating subtitles from one language to another. It allows users to seamlessly convert subtitle files while maintaining the original formatting

Guide to Running Your Python Script

Prerequisites

- Make sure you have Python installed on your system.
- Ensure you have created a virtual environment in the indic folder.

Steps

1. Open Command Prompt

Press **Windows + R**, type **cmd**, and hit **Enter**.

2. Navigate to the Desktop

```
cd Desktop
```

3. Navigate to the Indic Directory

```
cd indic
```

4. Activate the Virtual Environment

- Activate the virtual environment by running:

```
venv\Scripts\activate
```
- You should see `(venv)` at the beginning of the command line, indicating that the virtual environment is active.

Syntax Format

```
python indic3.py --ifile <input_file> --ofile <output_file> --  
slang <source_language> --tlang <target_language>
```

Parameters:

- **--ifile <input_file>:** The path to the input subtitle file (e.g., Dheena.srt).
- **--ofile <output_file>:** The desired path for the output subtitle file (e.g., output.srt).
- **--slang <source_language>:** The source language code (e.g., eng_Latn for English).
- **--tlang <target_language>:** The target language code (e.g., mal_Mlym for Malayalam).

Example Format

```
python indic3.py --ifile Dheena.srt --ofile output.srt --slang  
eng_Latn --tlang mal_Mlym
```

Explanation of the Example

- **Input File:** Dheena.srt (the file you want to translate).
- **Output File:** output.srt (where the translated subtitles will be saved).
- **Source Language:** eng_Latn (indicating the source language is English in Latin script).
- **Target Language:** mal_Mlym (indicating the target language is Malayalam in Malayalam script).

This example command will translate the subtitles from English to Malayalam and save the results in output.srt.

Language Code- Reference

Language	Code
Assamese	asm_Beng
Kashmiri (Arabic)	kas_Arab
Punjabi	pan_Guru
Bengali	ben_Beng
Kashmiri (Devanagari)	kas_Deva
Sanskrit	san_Deva
Bodo	brx_Deva
Maithili	mai_Deva
Santali	sat_Olck
Dogri	doi_Deva
Malayalam	mal_Mlym
Sindhi (Arabic)	snd_Arab
English	eng_Latn
Marathi	mar_Deva
Sindhi (Devanagari)	snd_Deva
Konkani	gom_Deva
Manipuri (Bengali)	mni_Beng
Tamil	tam_Taml
Gujarati	guj_Gujr
Manipuri (Meitei)	mni_Mtei
Telugu	tel_Telu
Hindi	hin_Deva
Nepali	npi_Deva
Urdu	urd_Arab
Kannada	kan_Knda
Odia	ory_Orya