NLP PROJECT

Topic: Poem Generator

Submitted To,

Sr. Italia Joseph Maria

Assistant Professor

PG Department of Computer Applications

Submitted By,

Akshino P Cherian

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Poem Generator

This project centers on an AI-powered Poem Generator, utilizing Google Gemini API and gTTS for generating and converting poems into audio. By integrating natural language processing (NLP) techniques, the system creates personalized poems based on user-defined themes such as love, nature, or friendship. Once generated, the poem is also converted into an audio format using gTTS, enhancing the user experience with both text and voice output. Built with Streamlit for its frontend, the application allows users to input a theme, after which it uses a Large Language Model (LLM) to generate a thematic poem. The generated poem is presented in text form and accompanied by an audio version, ensuring an engaging and interactive experience for users.

Link of Deployed System

https://poemgenerator-ag7fcbdupcyqka5q56jbn5.streamlit.app/

Screenshots

Gemini AI Poem Generator

Enter a theme for the poem:

Love

Generate Poem

Generated Poem:

A whisper in the wind, a touch so light, A warmth that fills the heart, both day and night. Love blooms unseen, a delicate, shy flower, Unfurling petals, in a sunlit hour.

It dances on the tongue, in words unspoken, A melody of longing, softly woken. A shared glance, a smile, a gentle hold, A story written, never to grow old.

It conquers fear, and chases shadows away, A beacon in the dark, a brighter day. Through storms and sunshine, it stands steadfast and true, A constant compass, guiding me to you.

Love is the tapestry woven, thread by thread, Of laughter, tears, and dreams we've shared, and said. It's forgiveness whispered, when mistakes are made, A bridge across the gap, a promise to be played.

A silent symphony, a timeless art, A fire in the soul, a beating heart. Love is the answer, the reason, the why, A forever journey, beneath the endless sky.

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