

LLM NVIDIA Streamlit Application

This repository hosts a Streamlit application that calls NVIDIA's llama-3.1-nemotron-70b-instruct model on the backend to handle and respond to user queries. Users can enter their questions in a text area, and the model will provide a response directly in the application interface.

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Overview

This application leverages the power of NVIDIA's large language model (llama-3.1-nemotron-70b-instruct) to create an interactive query-response experience. It is built using Streamlit to ensure a user-friendly and responsive interface for text-based interactions.

Features

- **Interactive Query-Response:** A simple text area for inputting queries, with responses displayed directly below.
- **Streamlit-Based UI:** Minimalist and clean design for easy user interaction.
- **Efficient Backend:** NVIDIA's llama-3.1-nemotron-70b-instruct model is integrated to deliver highly accurate and contextually relevant responses.

Installation

To get started, clone the repository and install the dependencies listed in `requirements.txt`:

```
# Clone the repository
git clone https://github.com/vijaytakbhat2002/LLM-NVIDIA.git
cd LLM-NVIDIA

# Install dependencies
pip install -r requirements.txt
```

Usage

To start the Streamlit application, simply run the `app.py` file:

```
streamlit run app.py
```

Once the application is running, open a web browser and navigate to the URL provided in the terminal (default is <http://localhost:8501>).

In the application: 1. Type your query in the provided text area. 2. Click on "Submit" (or press Enter) to receive a response from the NVIDIA model.

Requirements

The dependencies required for this application are listed in `requirements.txt`. Please ensure your environment meets these requirements before running the app.

Repository Structure

- `app.py`: Main application file that initializes the Streamlit interface and connects to the NVIDIA model.
- `requirements.txt`: Contains all the Python dependencies required to run the application.

License

This project is licensed under the MIT License.