Assignment Overview

Position: Generative AI Engineer

Task Description:

Objective: Develop a Streamlit application with input fields for the csv files and perform a graph analysis.

Details: The task involves writing a Python script that:

- Provides input fields for uploading CSV files and generates pre-defined prompts for possible plots.
- Uses a pre-trained Generative AI model to create prompts based on the data for various types of graph distributions.
- Produces graphs or plots based on the prompts selected from the generated output.

Requirements:

- Use any pre-trained model from libraries such as Hugging Face's Transformers.
- Ensure efficient input/output handling and include error handling.
- Comment the code to explain the choice of model and parameters.
- Do not use the OpenAI API.

Evaluation Criteria:

- Correctness of the implementation.
- Efficiency of the code.
- Clarity of the comments and documentation.

Submission Guidelines:

- Submit all deliverables in a single compressed (.zip) file.
- Include clear instructions on how to execute the Python script and Jupyter Notebook Ensure the PowerPoint is self-contained and understandable without additional verbal explanation.

Additional Instructions:

- Complete the assignment within 24 or 48 hours from the time of assignment given.