

Report: PandasAI Chatbot

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Prompt-Driven Data Analysis Application

The application, developed using “Streamlit”, enables users to perform prompt-driven data analysis on CSV files. It leverages “PandasAI” integrated with Google Gemini for natural language processing.

Key Features:

- **File Uploading:** Users can upload CSV files for analysis.
- **Smart Dataframe:** The uploaded data is converted into a “SmartDataframe”, which allows for intelligent querying.
- **Prompt-Driven Queries:** Users can input natural language prompts to analyze the data. The application processes these prompts and generates corresponding responses using Google Gemini.

Implementation Highlights:

The application is built with a user-friendly interface that facilitates prompt-driven interaction with the dataset.

It showcases the ability to handle complex queries and provide insights based on user inputs.

This application demonstrates the integration of advanced AI capabilities with traditional data analysis, offering a more intuitive and efficient approach to data exploration.