**Phonepe Pulse, Data Visualization and Exploration: A User-Friendly Tool**

**Description:**

Phonepe Pulse Project is a user-friendly tool for data visualization and exploration in the Fintech domain. It is built using Python, Pandas, MySQL, mysql-connector-python, Streamlit, and Plotly technologies. The tool provides users with an easy-to-use interface to explore and visualize data related to financial transactions carried out by user in different states and districts of India.

**Technologies:**

Phonepe Pulse is built using the following technologies:

* Python - Programming language used to build the tool.
* Pandas - Library used for data manipulation and analysis.
* MySQL - Database used to store the data.
* mysql-connector-python - Library used for connecting to MySQL database.
* Streamlit - Library used for building the user interface.
* Plotly - Library used for data visualization.

To get started with Phonepe Pulse, follow the steps below:

1. Clone the Github repository.

Execute the “Phone\_pe\_pulse.py” file to clone the data.

1. Install the required libraries using the pip install command.

*# Required libraries for the program*pandas, git,json, os, mysql.connector, streamlit, streamlit\_lottie,plotly.express,streamlit\_option\_menu,PIL,plotly.subplots,sqlalchemy,git.repo.base.

1. Execute the “Phone\_pe\_pulse.py” to transform the cloned data into a suitable format and perform necessary cleaning and pre-processing, and insert the transformed data into a MySQL database for efficient storage and retrieval.

Note: Kindly provide your respective host, user, password and database name in

create\_database() and connect\_database() functions of “Phone\_pe\_pulse.py”.

1. Execute the “Phone\_pe\_pulse\_Dashboard.py” to create a live visualization dashboard using Streamlit in Python to display the data fetched from the MySQL database to display in the dashboard.

Note: Kindly provide your respective host, user, password and database name in

connect\_database() function of “Phone\_pe\_pulse.py”.

The PhonePe dashboard is designed for easy accessibility and gaining valuable insights and information about the data in the Phonepe pulse Github repository.