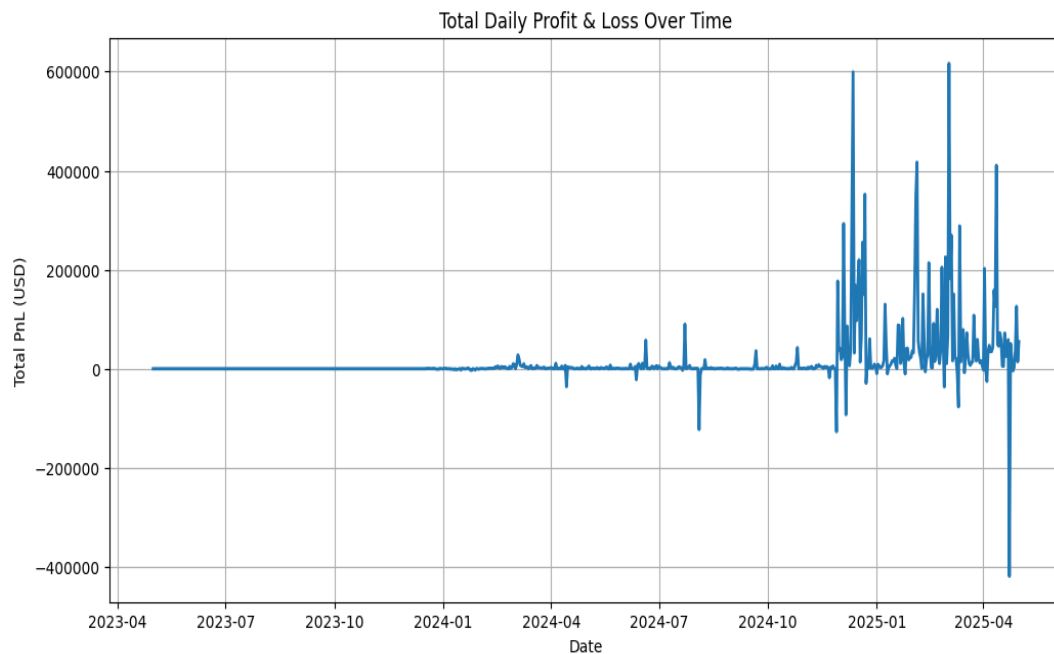


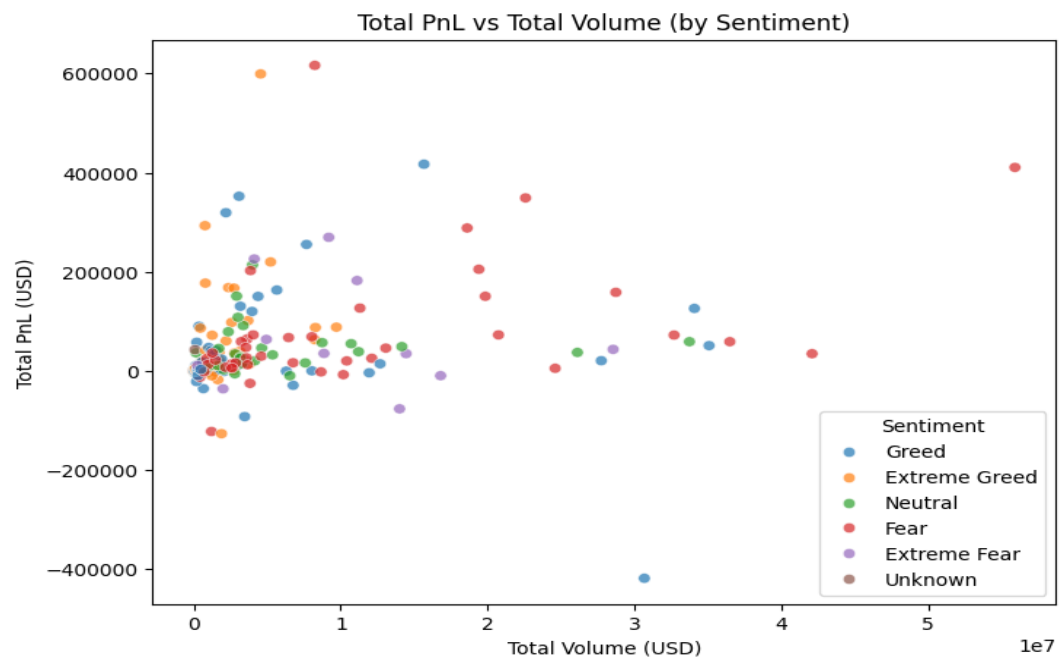
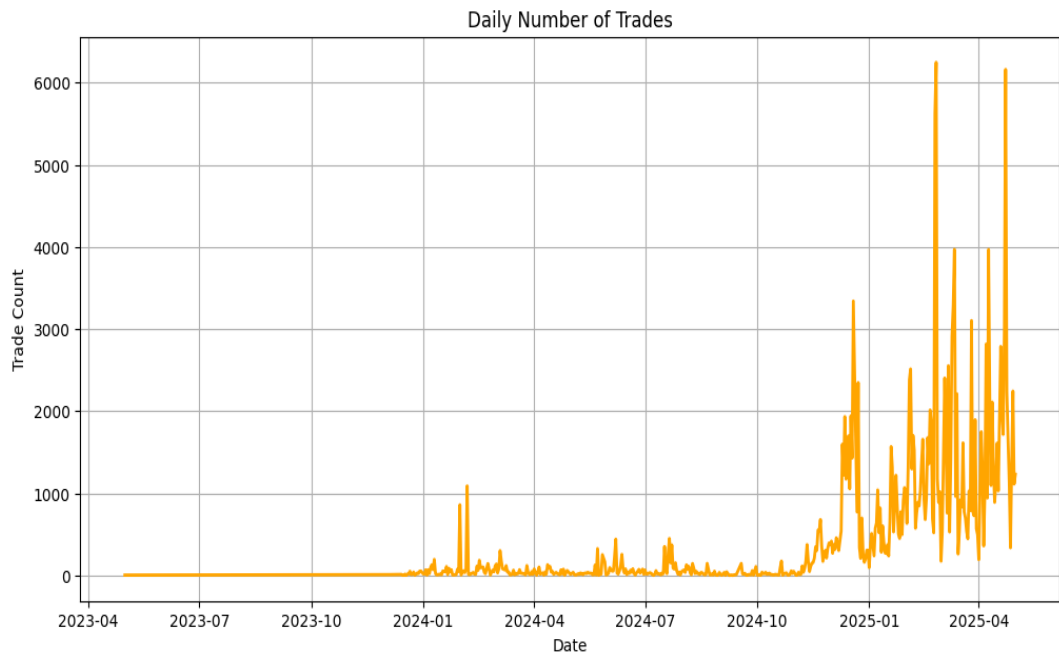
Data Science Internship Assignment Report

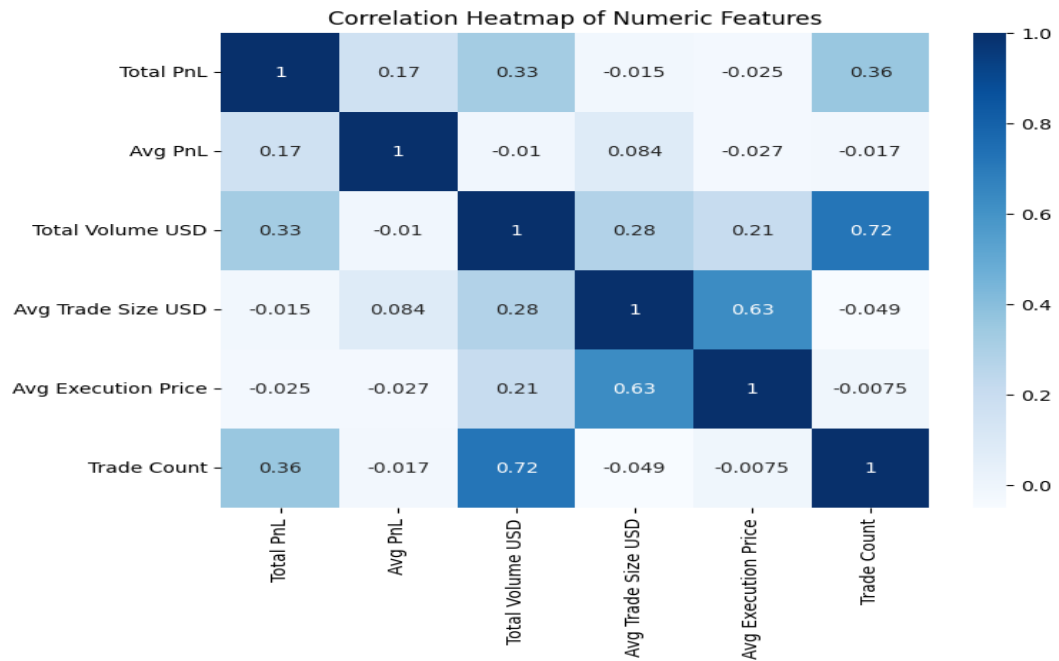
This report summarizes the exploratory data analysis and feature engineering conducted on the provided trading and sentiment datasets. The goal was to extract meaningful daily performance metrics and visualize key trading insights.

Key Insights:

- The trading dataset contained over 200K transactions across multiple days.
- Each day's profit/loss (PnL), volume, and trade activity were aggregated.
- The sentiment dataset was successfully cleaned, though most classifications were 'Unknown' due to non-overlapping date ranges.
- EDA visualizations were created to illustrate PnL trends, trading activity, and correlations.







Conclusion:

The daily feature dataset and analysis provide a clear foundation for future modeling, including trade performance forecasting and market behavior studies. All outputs and visualizations are saved in the respective folders for further review.