EDA REPORT:

Cryptocurrency Volatility Prediction

1. Dataset Overview
The dataset consists of historical daily price data for multiple cryptocurrencies.
It includes open, high, low, close prices, trading volume, and market capitalization.
The dataset contains approximately 72,946 records.

2. Volatility Distribution
The volatility distribution plot shows that most volatility values are concentrated near zero, indicating stable market behavior most of the time.
However, there are a few extreme spikes representing high volatility events.

3. Correlation Analysis
The correlation heatmap indicates strong correlation between open, high, low, and close prices.
Volatility shows weak linear correlation with price and volume features, suggesting non-linear market behavior.

4. Key Observations
- Price features are highly correlated
- Volatility behaves independently
- Market capitalization and liquidity indirectly influence volatility