📈 Financial Market Analysis Tool

A professional Python-based FICC & trading analysis system.

Enter asset tickers (comma-separated):

AAPL, MSFT, SPY, EURUSD=X

Start Date

2020/01/01

End Date

2025/12/04

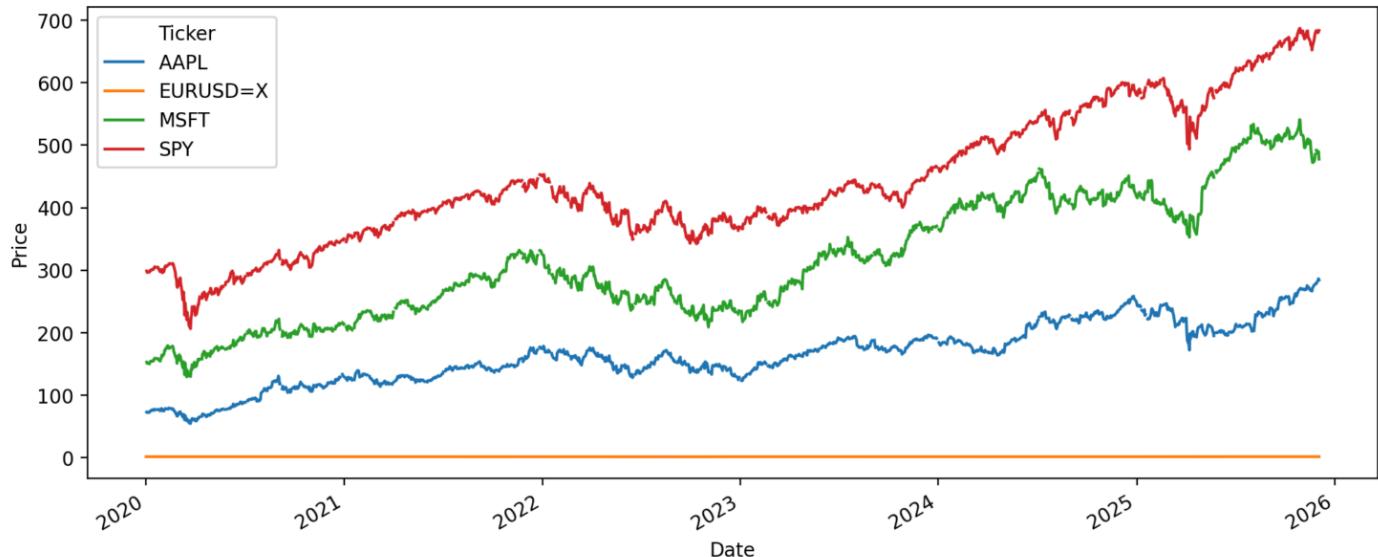Run Analysis

📥 Fetching Data...

Raw Price Data

Date	AAPL	EURUSD=X
2020-01-01 00:00:00	None	
2020-01-02 00:00:00	72.4683	
2020-01-03 00:00:00	71.7637	
2020-01-06 00:00:00	72.3356	
2020-01-07 00:00:00	71.9953	
2020-01-08 00:00:00	73.1535	
2020-01-09 00:00:00	74.7073	
2020-01-10 00:00:00	74.8762	
2020-01-13 00:00:00	76.4759	
2020-01-14 00:00:00	75.4432	

Download Price Data (CSV)

📊 Price Time-Series
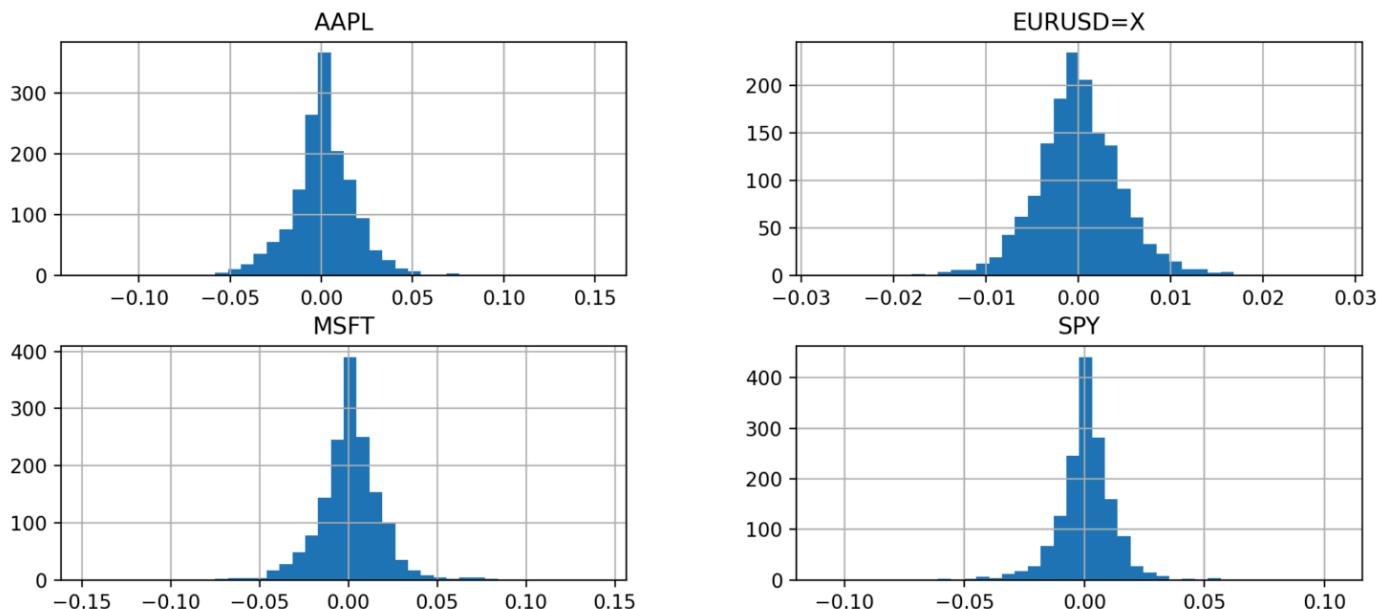
Asset Prices Over Time

📉 Daily Returns

Date	AAPL	EURUSD=X
2020-01-03 00:00:00	-0.0097	
2020-01-06 00:00:00	0.008	
2020-01-07 00:00:00	-0.0047	
2020-01-08 00:00:00	0.0161	
2020-01-09 00:00:00	0.0212	
2020-01-10 00:00:00	0.0023	
2020-01-13 00:00:00	0.0214	
2020-01-14 00:00:00	-0.0135	
2020-01-15 00:00:00	-0.0043	
2020-01-16 00:00:00	0.0125	
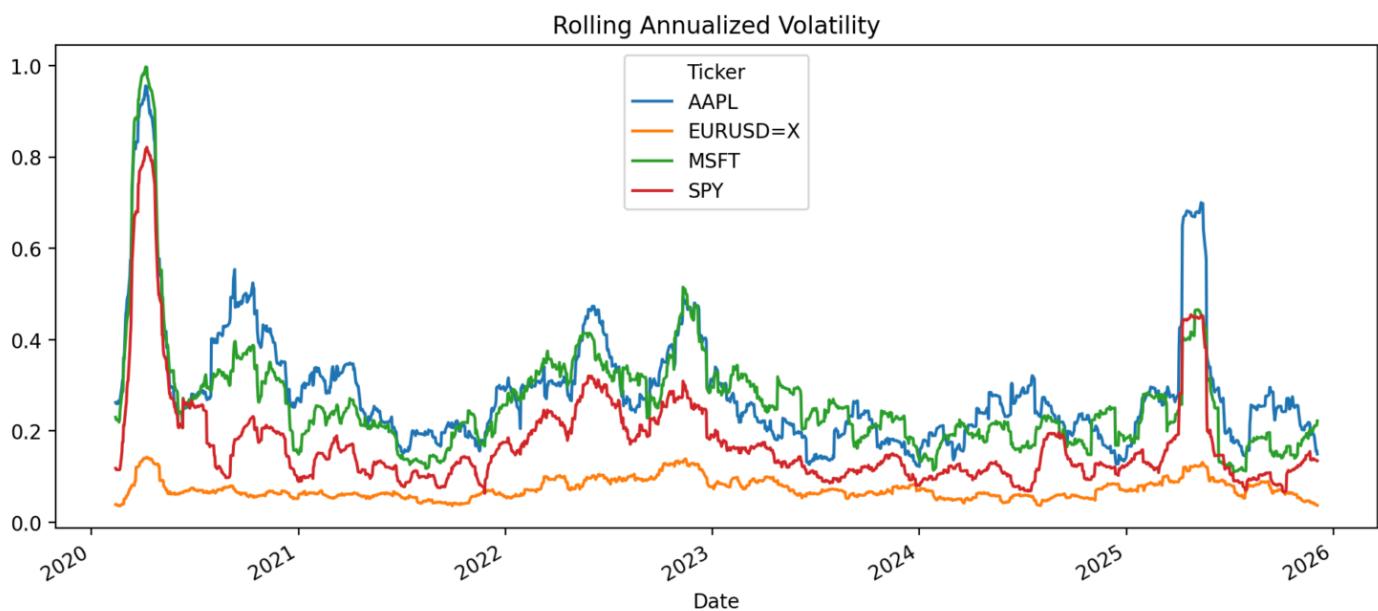
📊 Returns Distribution

⚡ Volatility Analysis (30-day rolling)
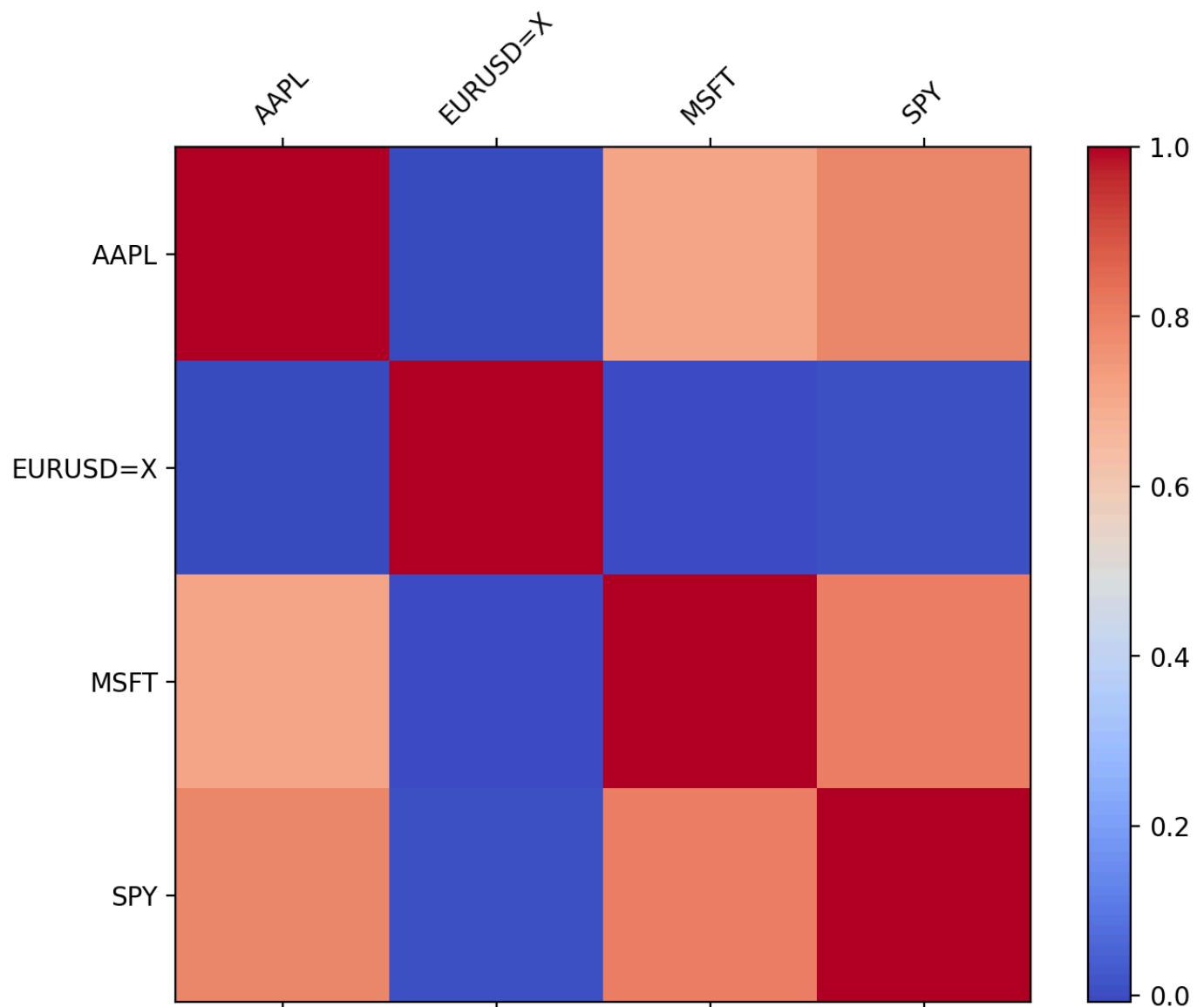
Annualized Volatility

Ticker	0
AAPL	
EURUSD=X	
MSFT	
SPY	

Rolling Annualized Volatility

🔗 Correlation Matrix

Ticker	AAPL	EURUSD=X
AAPL	1	-0
EURUSD=X	-0.0077	
MSFT	0.711	0
SPY	0.7848	0

Built with ❤️ Using Python, Pandas, Matplotlib & Streamlit