Nasdaq100 CFD Trading Signal Bot - Project Summary

Python

- Built a script to detect Fair Value Gaps (FVGs) using candlestick logic.

- Processed 15-minute candle data for Nasdaq100 CFDs (CDT).

- Triggered Telegram alerts when signals were found.

- Logged signal data to a CSV file (fvg_signals.csv).

- Designed code for modular upgrades (e.g., Order Blocks, Liquidity Zones).

Python Libraries Used

- tvdatafeed Fetched 15-minute CDT candles from TradingView.

- pandas Handled data manipulation and CSV file operations.

- requests Sent real-time Telegram alerts using the Bot API.

- python-telegram-bot Used previously in RSI bot (not this FVG bot).

Telegram Bot API

- Created bot via @BotFather on Telegram.

- Configured bot token and chat ID.

- Delivered FVG signal alerts to Telegram (e.g., Bullish/Bearish FVG alerts).

File Structure

- nasdaq_fvg_bot.py Main bot logic.

- fvg_signals.csv Tracks all FVG signal logs.

- README.md Project documentation and instructions.

- requirements.txt Python dependency list.

CSV Logging

- Stored FVG signals with timestamps and signal types.

- Avoided duplicate signals by checking existing records.

- Enabled review and backtesting of signals.

Visual Studio Code (VS Code)

- Used for writing, editing, and executing Python scripts.

- Integrated terminal used for Git command execution.

Git & GitHub

- Version control system for managing and publishing code.

- Tracked all project changes and progress via commits.

- Shared public GitHub repository as part of tech portfolio.

Git Commands Used

- git init Initialize a new Git repository.

- git add . Stage all files for commit.

- git add filename Stage a specific file.

- git commit -m 'message' Commit changes with a message.

- git remote add origin <repo-url> Link local repo to GitHub.

- git branch -M main Rename branch to main.

- git push -u origin main First push to GitHub.

- git push Push subsequent changes.

- git pull origin main --rebase Pull remote changes and reapply local commits.

README.md

- Documented the purpose, features, and setup of the bot.

- Displayed as the homepage of the GitHub repo.

- Edited locally or directly on GitHub via the web UI.

Render Platform (Previously Used)

- Used for hosting RSI bot with similar Telegram alerts.

- Shared requirements.txt file for both bots (updated safely).