

Binance Futures Trading Bot - Project Report

Overview

This project is a simplified Python trading bot built for Binance Futures Testnet. It supports market, limit, and stop-limit order types with BUY and SELL sides. The bot uses the python-binance library, reads credentials from a .env file, and logs all interactions.

Project Structure

bot.py - Core trading logic

cli.py - Command-line interface

.env - API credentials (not pushed to GitHub)

trading_bot.log - Logs order requests and responses

.gitignore - Excludes sensitive files from repo

README.md - Setup instructions and documentation

How It Works

1. User inputs trading parameters (symbol, side, type, quantity).
2. The bot sends the request to Binance Futures Testnet API.
3. Responses are printed in the CLI and logged in trading_bot.log.

Features

- Supports MARKET, LIMIT, STOP-LIMIT orders
- Handles both BUY and SELL sides
- Uses .env to secure API keys
- Full CLI interaction
- Logs all responses for traceability

Author

Mahesh Agathamudi

B.Tech CSE | Python Developer | Data & Web Enthusiast

GitHub: <https://github.com/Maheshagathamudi>