Crypto Trading Bot using AI & ML Algorithms

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Introduction

There are lots of reasons as to why companies and individual traders might want to build a crypto trading bot. It might be to allow them to buy and sell cryptocurrencies such as bitcoin without needing to physically undertake transactions. Crypto trading bot development is a lucrative field.

Abstract

In recent years, the tendency of the number of financial institutions including cryptocurrencies in their portfolios has accelerated. Cryptocurrencies are the first pure digital assets to be included by asset managers. Even though they share some commonalities with more traditional assets, they have a separate nature of its own and their behaviour as an asset is still under the process of being understood. It is therefore important to summarise existing research papers and results on cryptocurrency trading, including available trading platforms, trading signals, trading strategy research and risk management. This project provides a comprehensive survey of **cryptocurrency trading** research using ***Artificial Intelligence / Machine Learning Algorithms***, by covering various aspects of cryptocurrency trading (e.g., *cryptocurrency trading systems, bubble and extreme condition, prediction of volatility and return, crypto-assets portfolio construction and crypto-assets, technical trading and others*). This project also analyses datasets, research trends and distribution among research objects (contents/properties) and technologies, concluding with some promising opportunities that remain open in cryptocurrency trading.