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Cryptocurrency Tracking platform

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ABSTRACT

The Cryptocurrency Tracking Platform helps investors overcome the difficulties they have while juggling decentralized assets on several exchanges. Current solutions frequently lack both usability and comprehensiveness. A comprehensive feature set is provided by this platform, which includes price alerts, portfolio tracking, real-time pricing data, market capitalization statistics, and historical price charts. A comprehensive literature research emphasizing the value of real-time trackers, the frequency of bitcoin fraud, and the requirement for user-friendly interfaces with robust security measures guided the platform's development. The process includes gathering data from multiple sources, designing the user interface to clearly convey the data, and including tools for user involvement including sorting, filtering, and viewing pricing history. The platform's overall goal is to arm investors with the knowledge and tools they need to successfully negotiate the volatile cryptocurrency market.

Keywords Cryptocurrency Tracking Platform, decentralized assets, exchanges, comprehensive, user-friendly, historical price charts, market capitalization statistics, real-time pricing data.

Introduction

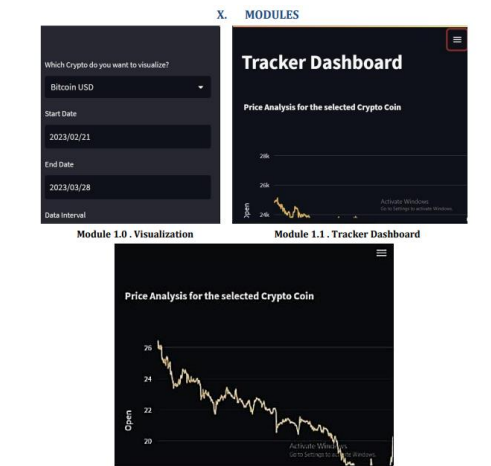
For investors, the rapidly expanding world of cryptocurrencies offers fascinating prospects. Nonetheless, it might be difficult to manage a bitcoin portfolio successfully. Because cryptocurrencies are decentralized, it is necessary to keep track of holdings across many exchanges, and market volatility means that ongoing monitoring is required. While some help is available, the current cryptocurrency tracking solutions are frequently not very comprehensive or user-friendly. In order to provide investors with the resources they need to successfully navigate the ever-changing cryptocurrency market, this research paper presents Cryptocurrency Tracking platform , a cutting-edge tracking platform for cryptocurrencies.

Asset	Name	Price	Total Volume	Market Cap	Change	1H	24H	7D
BTC	Bitcoin	\$61785.00	18762632332	1.71267%	-0.11	-0.44	-2.86	
ETH	Ethereum	\$2381.74	11623752190	-2.28339%	-0.27	-0.34	-0.48	
USDT	Tether	\$1.00	37867246396	-0.08549%	0.00	-0.01	-0.01	
INR	INR	5987.37	817117913	-1.69309%	-0.17	-0.31	-0.53	
SOL	Solana	\$145.74	2480216784	0.98393%	0.26	0.83	4.07	
USDC	USDC	\$1.00	4875488844	-0.06569%	0.00	0.01	0.01	
BNB	BNB	\$0.11	782747157	0.22311%	0.02	-0.18	-0.35	

Cryptocurrency Tracking platform offers an extensive feature set that solves the drawbacks of existing solutions. Users can utilize this to make well-informed investment decisions by accessing historical price charts, market capitalization statistics, and real-time pricing data. In addition, the platform makes it easier to track portfolio performance and create price alerts, which helps investors keep ahead of market swings. We will explore the features of Cryptocurrency Tracking platform in more detail in the sections that follow, showcasing its unique features and contrasting it with other tracking platforms. We will show via this investigation how Cryptocurrency Tracking platform gives investors the power and awareness they need to prosper in the constantly changing bitcoin market.

Literature Review

1. The literature on real-time price trackers of cryptocurrencies highlights how important they are to traders and investors. The foundation was set by Nakamoto's groundbreaking article, which sparked interest in trade. The significance of sentiment analysis and blockchain integration is highlighted by later studies, such as Zhang et al. and Li et al. The statistical models of Fleder et al. and the useful observations of Wang et al. aid in the creation of efficient tracking instruments. All things considered, these pieces highlight how important real-time trackers are to navigating cryptocurrency markets and reaching wise conclusions.
2. As the first study of its kind to examine counterfeit tokens on the Ethereum blockchain, it highlights the pervasiveness of these tokens and the pressing need for more robust defenses against cryptocurrency fraud. It names two primary categories of scams: arbitrage and airdrop, and it offers suggestions for how to spot them. Startling figures show that over 7,100 victims were cheated, with over \$17 million in profits. Furthermore, the investigation reveals 103 websites that con artists utilize to disseminate false material. In summary, it highlights the need for proactive measures to safeguard investors and preserve the integrity of the bitcoin market.
3. The literature review conducted in this project explored existing research on cryptocurrency management. It identified key areas for development and improvement in this field. Through the review, the project gained insights into the challenges and opportunities in cryptocurrency management, paving the way for the development of Cryptonik.
4. Real-time price tracker online applications are crucial for bitcoin traders, and the literature research emphasized the need for user-friendly interfaces and strong security measures. To meet the needs of both rookie and seasoned traders, it emphasized the importance of offering real-time data on a variety of cryptocurrencies, including Bitcoin, Ethereum, and altcoins. The evaluation also stressed how crucial cross-device compatibility is to guaranteeing accessibility on several platforms. The body of research demonstrates how beneficial these apps are for keeping users updated on market conditions and assisting them in making wise trading selections.



5. The investigation examined concerns about bitcoin manipulation by examining the spread of invite links on various social media networks. It verified patterns that pointed to fraudulent schemes, mostly on Telegram, such as "pump-and-dump" and "Ponzi" scams. The analysis revealed that a dense cluster of Ponzi scheme channels made a substantial contribution to the diffusion of links. It also found that a significant percentage of invite links to pump-and-dump channels originate from Twitter botnets. The results highlight the necessity of increased knowledge of and defenses against hazards associated to cryptocurrencies, particularly as they are taken into consideration as legitimate forms of payment.

Methodology

Data Acquisition

- Determine the cryptocurrency data sources, such as cryptocurrency exchanges or aggregators. Provide procedures for gathering and archiving pertinent data, such as market capitalization, trade volume, historical price charts, and real-time prices.

User Interface Design

- Design a user interface that displays the crypto data in a clear, informative, and user-friendly manner.

User Interaction and Functionality

- Develop features that allow users to interact with the data, such as:
- Filtering and sorting cryptocurrencies based on various criteria (market cap, price, etc.)

Result

The BKryptoManiacs interface provides information and trading features for cryptocurrencies.

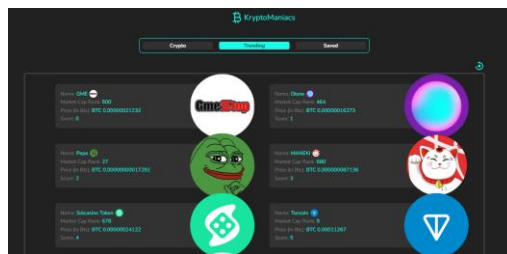
Monitor the prices of cryptocurrencies

The user interface shows a table containing details on different cryptocurrencies, such as their name, market capitalization, trading volume, and price changes over a range of time periods (one hour, seven days, and twenty-four hours).

Look up cryptocurrencies using the search bar: Users can look for particular coins by name.

Arrange data

The table can be sorted by users based on a variety of factors, including price and market capitalization, which are sorted in descending order by default.



View price history

Some cryptocurrency exchanges let users click on a particular currency to see a chart that displays its price history, however it's impossible to tell for sure from this image.

Asset	Name	Price	Total Volume	Market Cap Change	1H	24H	7D
Bitcoin	Bitcoin	\$61,837.00	2273561236	-1.71%	-0.23%	-1.36%	-1.01%
Tether	Tether	\$1.00	37902519195	0.01%	0.04%	0.02%	0.02%
Binance Coin	BNB	\$587.59	820177479	-1.89%	-0.17%	-0.46%	-0.04%
Solana	Solana	\$145.97	2409488648	0.72%	-0.28%	0.82%	-5.98%

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