



Data Visualization

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Abstract: Data is described in so many ways for the true understanding of data, and one of the methods to elaborate data is a data visualization. It is obvious that data can have different facts and figures, and the beauty of data visualization is that it can elaborate data with the help of different visual elements such as maps, graphs, and charts. The good thing about this graphical representation is that it provides a nice view of the data to understand its outliers, patterns, and trends. A cryptocurrency dashboard will visualize live updated market data of cryptocurrency for different types of cryptocurrencies. A crypto dashboard is a digital platform that exists on a website or an application. Its purpose is to track your cryptocurrency accounts and coins and monitor their current values and historical prices.

Keywords: cryptocurrency, dashboard, visualization.

I. INTRODUCTION

The graphical presentation of data and information is known as data visualization. By utilizing visual elements like maps, charts, and graphs, data visualization tools provide an accessible way to see and understand outliers, trends, and patterns in data. A cryptocurrency dashboard will visualize live updated market data of cryptocurrency for different types of crypto currencies. We are going to build a cryptocurrency dashboard that will visualize live updated market data of cryptocurrency for different cryptocurrencies. Cryptocurrencies help the reader and the investor to better understand how the market is working and the recent research that has been conducted.

A cryptodashboard connects to several locations where your cryptocurrencies might be held, mostly exchanges and wallets. Investors who are engaged with more than three different cryptocurrencies are encouraged to use a crypto dashboard to manage their assets. The goal of crypto dashboards is to give an overview of all your assets and how they play together because when you have this information at one place, you can easily see how your assets and accounts will impact your overall financial health and net worth. So, in this dashboard you can get a complete overview of the financial accounts and assets you have added to it.

II. LITERATURE SURVEY

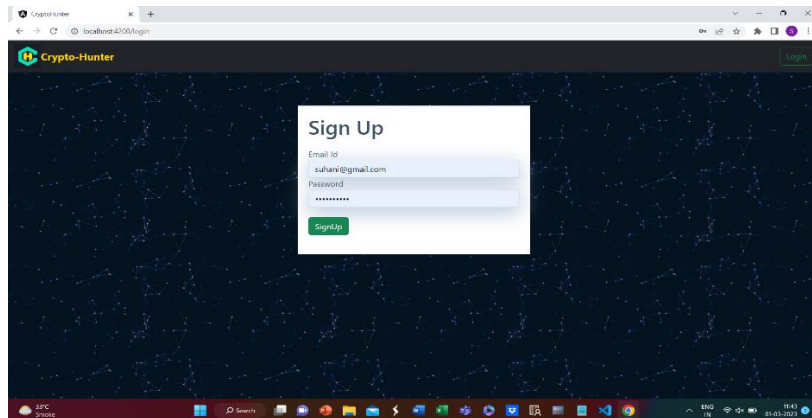
Benjamin W. (2014). Cryptocurrency is a developing nation, and among them the fastest growing is Bitcoins. Never in the growth of the world. Many features are seen to be associated with the Bitcoins device, certainly one of them is low transaction costs and peers to look for technologies that guarantee one's privacy. As a result — it is a database that has established and ensured privacy attracting people as a new electronic brand. Many different types of people are accepting Bitcoins that include many retailers, and on-line stores are gaining worldwide acceptance.

Vasudha (2014). This paper is about E-Commerce and its various types including Business to Business (B2B), Business to Customer (B2C), Customer to Business (C2B) and Customer to Customer (C2C) and payment methods, in this case, payments made by Bitcoins assisted trading business. that Bitcoins represent a non-public and safe exchange of price ranges. The developer mentioned how Bitcoins helped E-Commerce grow.

III. PROPOSED SYSTEM

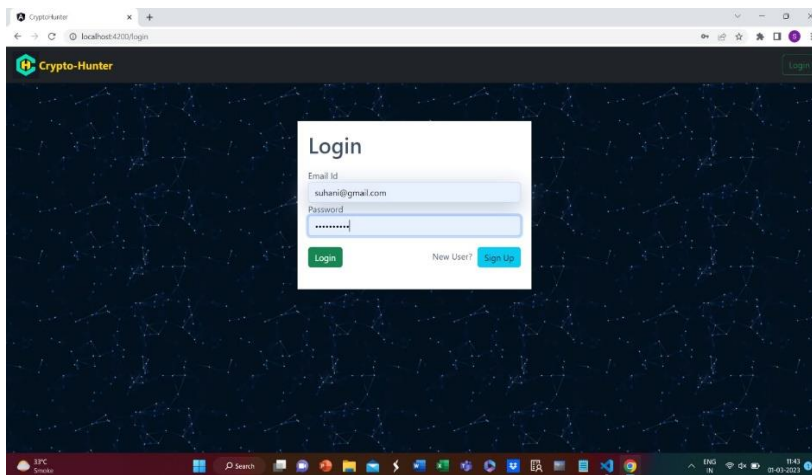
i. Sign Up page: -

The sign-up page is used for the purpose of signing while entering into a web application. It includes information like an email ID and password.



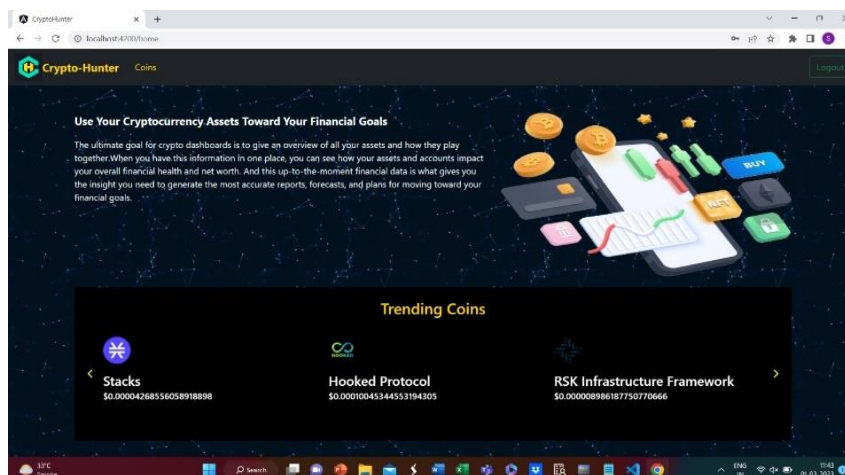
ii. Login page: -

The login page is used for the purpose of login while entering a web application. It includes information like an email ID and password.



iii. Homepage: -

Homepage includes information about the cryptocurrency and also displays a live trending coins carousel.



iv. Coin list Page: -

The Coin List page displays a list of cryptocurrency prices by Market Cap and we also provide live updated market data of cryptocurrencies in different currencies.



Symbol	Coin	Price	Volume	24h	Market Cap	Action
	Bitcoin	₹1,955,468.00	₹3,429,337,617,807.00	105%	₹399,959,329,586.00	View Details
	Ethereum	₹136,258.00	₹687,935,721,446.00	112%	₹182,922,791,533.00	View Details
	Tether	₹82.56	₹3,040,818,053,516.00	-22%	₹9,677,790,605.76	View Details
	BNB	₹25,152.00	₹31,218,522,356.00	5%	₹3,478,956,974.00	View Details
	USD Coin	₹82.56	₹276,321,459,904.00	-22%	₹17,108,482,530.64	View Details
	XRP	₹31.49	₹90,229,898,494.00	70%	₹12,254,592,728.00	View Details
	OKB	₹4,296.52	₹5,221,992,219.00	97%	₹10,600,499,576.00	View Details

IV. FEATURES

i. Anonymity

Transactions are tied to an irregular sequence of characters and not to the owner's personality, including personal or company data. The popularity of a few virtual currencies shows the scale of supply and demand.

ii. Security

Cryptocurrencies can be stored in special virtual wallets which is secured with a private key. This means that only the holder has retrieved to the accumulated funds. In order to increase security, the virtual currency owner should build in encryption technology on their devices.

iii. Fast development

Holders can use their cryptocurrencies through the quickly developing services and tools. Changing and exchanging cryptocurrencies into euros or dollars is conceivable. These currencies can be funded straight from the cryptocurrency wallet through results that enable exchange and conversion.

V. SOFTWARE REQUIREMENTS

- i. HTML
- ii. CSS
- iii. JavaScript
- iv. Database

VI. MERITS

- i. Greater satisfaction
- ii. Manage your portfolio easily
- iii. Able to act fast
- iv. Know the Value of your digital currency Wallet
- v. Utilize your Cryptocurrency Assets toward your Financial Goals

VII. DEMERITS

- i. Lack of Appropriate Guideline.
- ii. Worries about Changing Innovation.

VIII. FUTURE SCOPE

The future scope of our project is the Chances are you've got a bunch of cryptocurrency accounts, wallets, and probably even individual BTC and ETH bitcoins floating around on several different apps and websites. It's hard to keep track of everything and comprehend how they impact your net worth and overall financial health. And that's why we are going to build crypto dashboard which integrates with cryptocurrency exchanges or trackers like CoinMarketCap through or other tool to update your crypto assets in real-time.



The crypto tracker help investor and traders to make real-time decisions and change their portfolio. Most contain advanced charting and value prediction tools to help users to make timely decisions regarding their crypto holdings.

IX. CONCLUSION

Cryptocurrency is still a lot in its early stages and some people are still doubtful about it but it is here to stay and has been adjusted into our lives and will be a currency utilized by everyone which is only a matter of time. With the acknowledgement and how widely discussed about it is, the future of crypto is sure to be bright. As crypto matures, we will achieve a lot of stability which will make it easily transferable, and a store of value that will make it more used by organizations, the public authority, and everyone as a piece of daily existence.

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