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CRYPTOTRACKER

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A large, semi-transparent circular graphic is centered on the page. It features a gradient from yellow-orange on the left to magenta on the right. Overlaid on this circle are four smaller, thin-lined plus signs, one in each quadrant: top-left (yellow), top-right (magenta), bottom-left (yellow), and bottom-right (magenta). The background of the slide is a dark purple color with subtle diagonal light streaks.
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PRESENTATION

CRYPTOTRACKER

Outline

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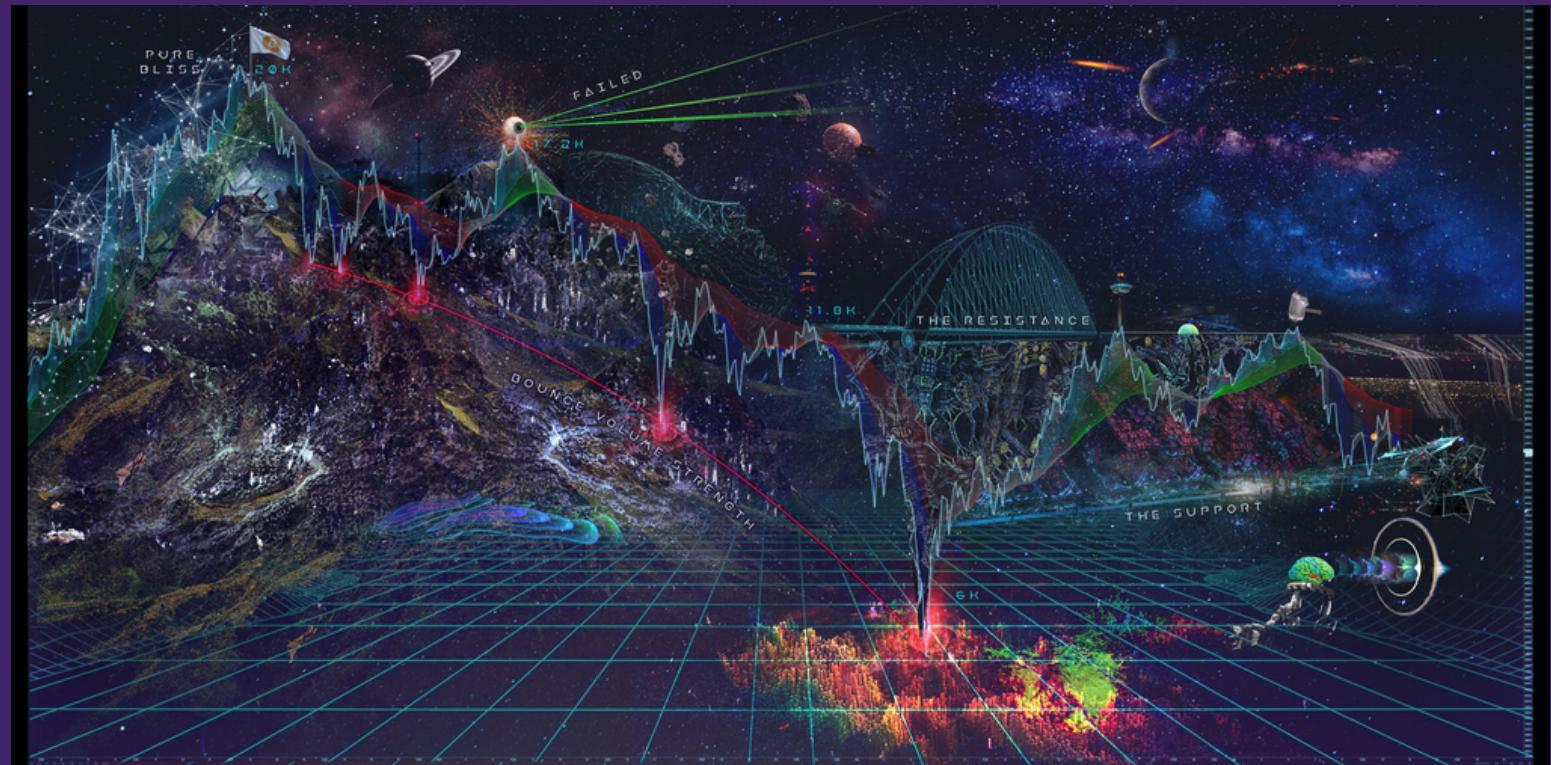


Abstract



- Cryptocurrency is a Digital currency designed to work as a medium of exchange through a computer network that is not reliant on maintenance by a government or a bank. As people get influenced by the internet for money, we want to encourage how crypto works.
- Its prices need to be tracked there are various methods like use through the exchange but in some cases like hardware wallets or some wallets don't mention the price so for the problem.
- This Mini Project is about a Crypto-tracker application made by using JavaScript & its libraries like react, node, etc. Here is the part where the user can see various coins, user can track the price of the coin from 24hrs to 1 year's price.
- Users can add it to the watchlist where the selected coin's price only be shown. Chart js will be used for application tracking the price using the chart, Material UI will be used for UI. Firebase authentication will be also added for analytics and security.

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INTRODUCTION

01

About CryptoCurrency

In recent years cryptocurrencies are hitting high day by day , we all know that cryptocurrency is a new revolution,. Cryptocurrency, sometimes called crypto-currency or crypto, is any form of currency that exists digitally or virtually and uses cryptography to secure transactions.

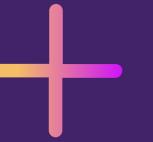
02

About Mission

- Cryptocurrencies don't have a central issuing or regulating authority, instead using a decentralized system to record transactions and issue new units. For every trader, a cryptocurrency tracker is one of the features that are very useful and needed.
- Cryptocurrency tracking machines usually work to provide information from all your exchanges and wallets. Every trader can see in a flash how the portfolio performance is shown through the tracking machine.



Literature Survey



Existing systems

- Cryptotrackers which are already existing solution they are mentioned below these trackers which are available these existed system are advanced but things get complicated for adding the watchlist to portfolio.
 1. CoinGecko
 2. Coinbase
 3. Nomics-
 4. CoinMarketCap
- There are many other websites who are provide the data of coins highly but the are set of drawbacks for some of sites where user can't access the data like for an example- Wazirx is great exchange but the major problem is login and watchlist activity





Research Objective

- While we are researching about the we came through different objectives what are the problems where the user are facing like the currencies issue, cointracking and we went for more depth in these issue where user need to login/signup with extra more credentials so that we need to make an application which have a tracker & simple login credentials which stores the coin at the database through watchlist.



- Bitcoin Built in 2009
- Revolution of crypto starts from 2013
- MT. Gox found on 2010
- Cryptocurrency hit 1 trillion\$ in 2021



Quotes Today

If the cryptocurrency market overall or a digital asset is solving a problem, it's going to drive some value.

– Brad Garlinghouse



Problem Definition

- The Problem is User access getting complicated more and more it's needed to be changed.
- With the proposed technique User can get detailed information with less activity &it's easy to use...

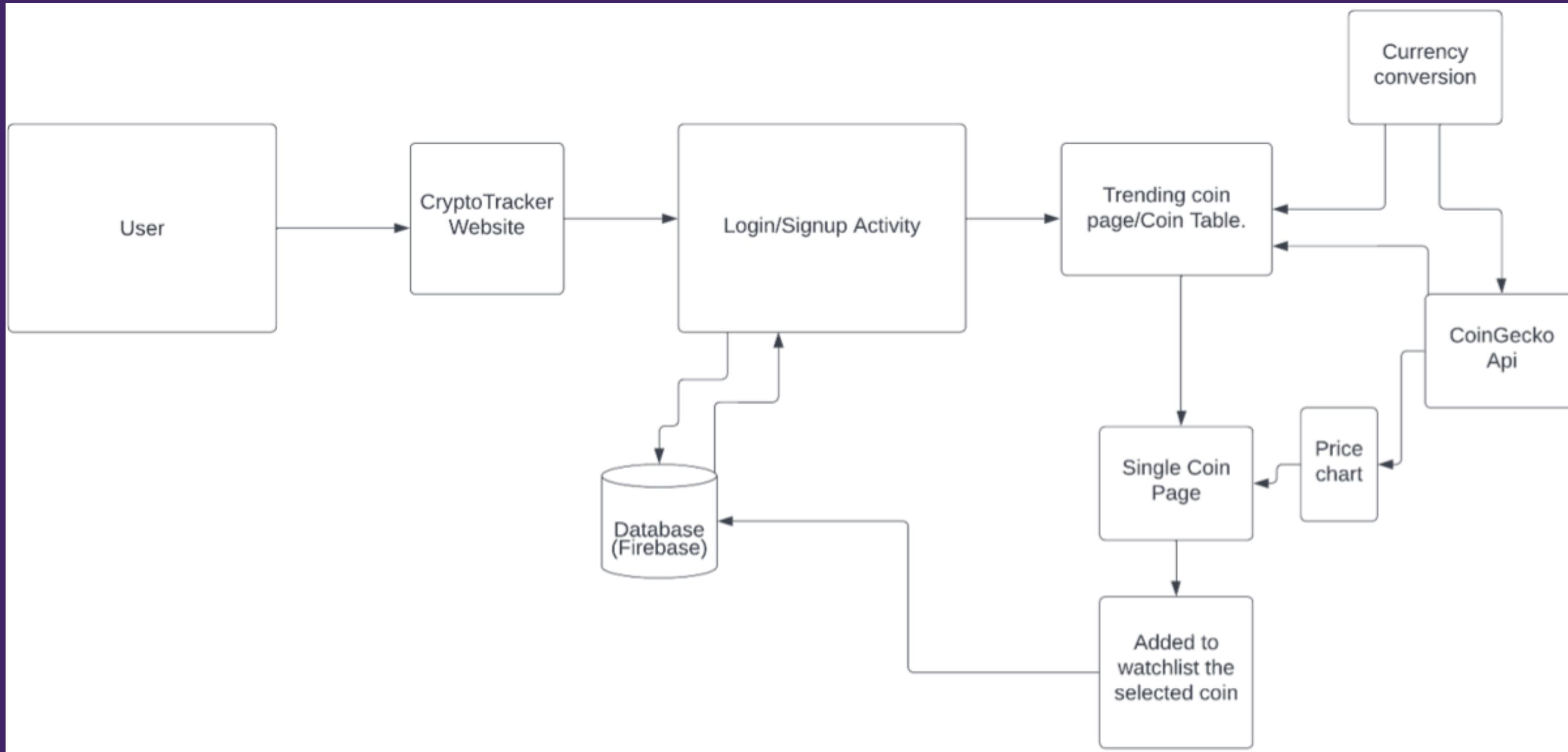


Research Work



Proposed system architecture

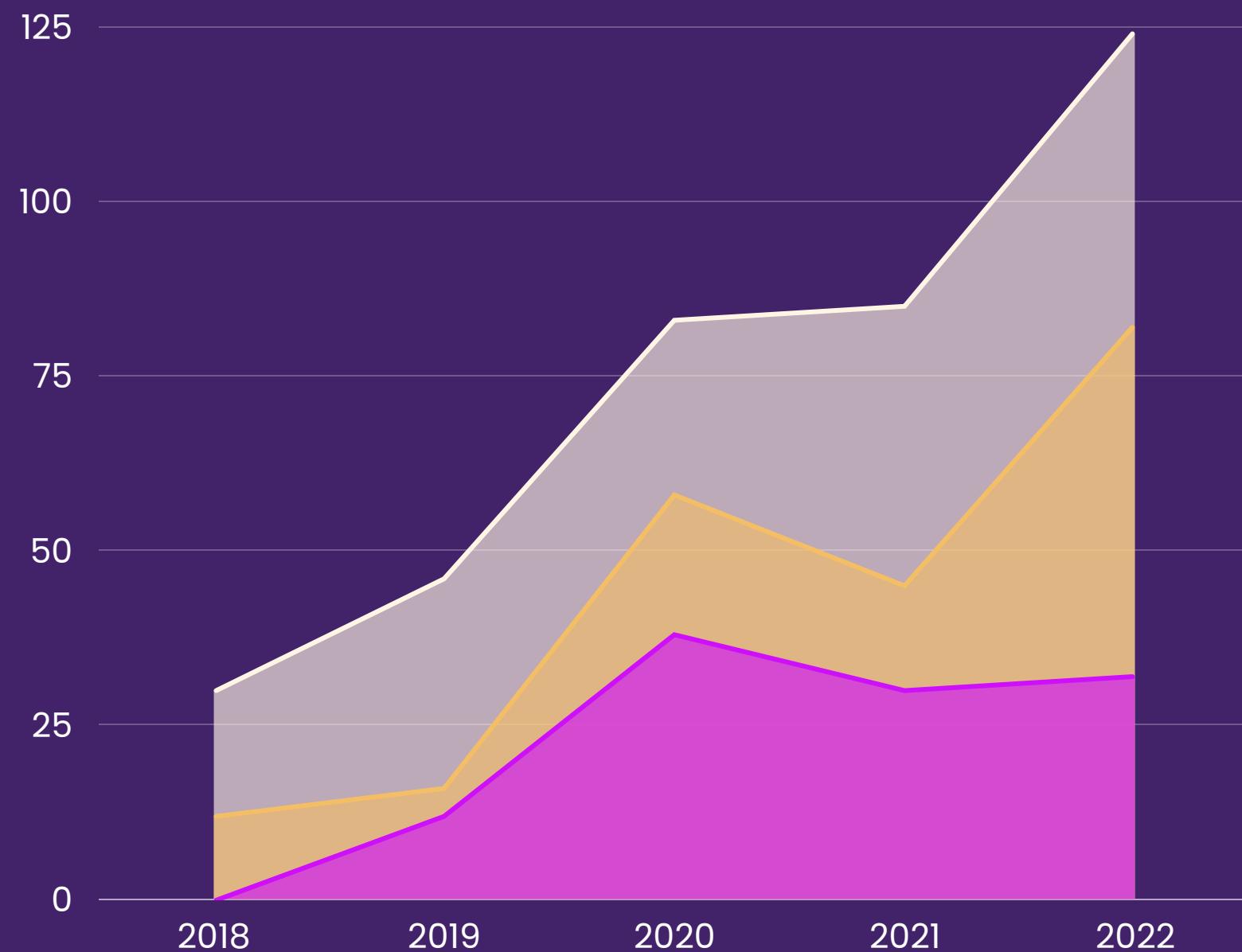
The proposed Architecture for the Website.





Proposed Methods

- A Crypto Tracker is built using JavaScript and its Library React using CoinGecko Api To tracks the coins prices within time.This Approach helps the user to track and add The coins to the watchlist to track the it portfolio.
- All the Mandatory things used to track the coins from the specific time.
- our plan is just signup with your gmail and setup the password. The account created User Interface we are using MaterialUI were the clean and sleeky designs are added
- By the information of the CoinGecko api which we retrieved needs to be converted into the converted into chart
- The process for storing the data Firebase is used the best NOSQL database where the watchlist of coins are stored and for security authentication and deployment hosting services vercel is used .



HOW CRYPTO USAGE
WENT FROM YEARS



Performance Measure:

Description Here

- While Testing the website we actually went through three phases in the project like the first phase only the coin table and coins only, Currency used USD
- In the second stage it's about the adding the new currencies improving the data connectivity of the website
- In third stage we added watchlist section and Backend Firebase where the coins will be stored.
- After all these stages we deployed it vercel hosting.
- Performance improved variously while compared to old stages and we compared them to existing systems





Result Analysis

01

Our Project reached the expectations where we written made website from scratch that access coin prices faster,easy to use.Login credentials also reduced,adding prices to watch list also done it can be only used when user logs with their account.Coin stores in backend while watchlisting it.

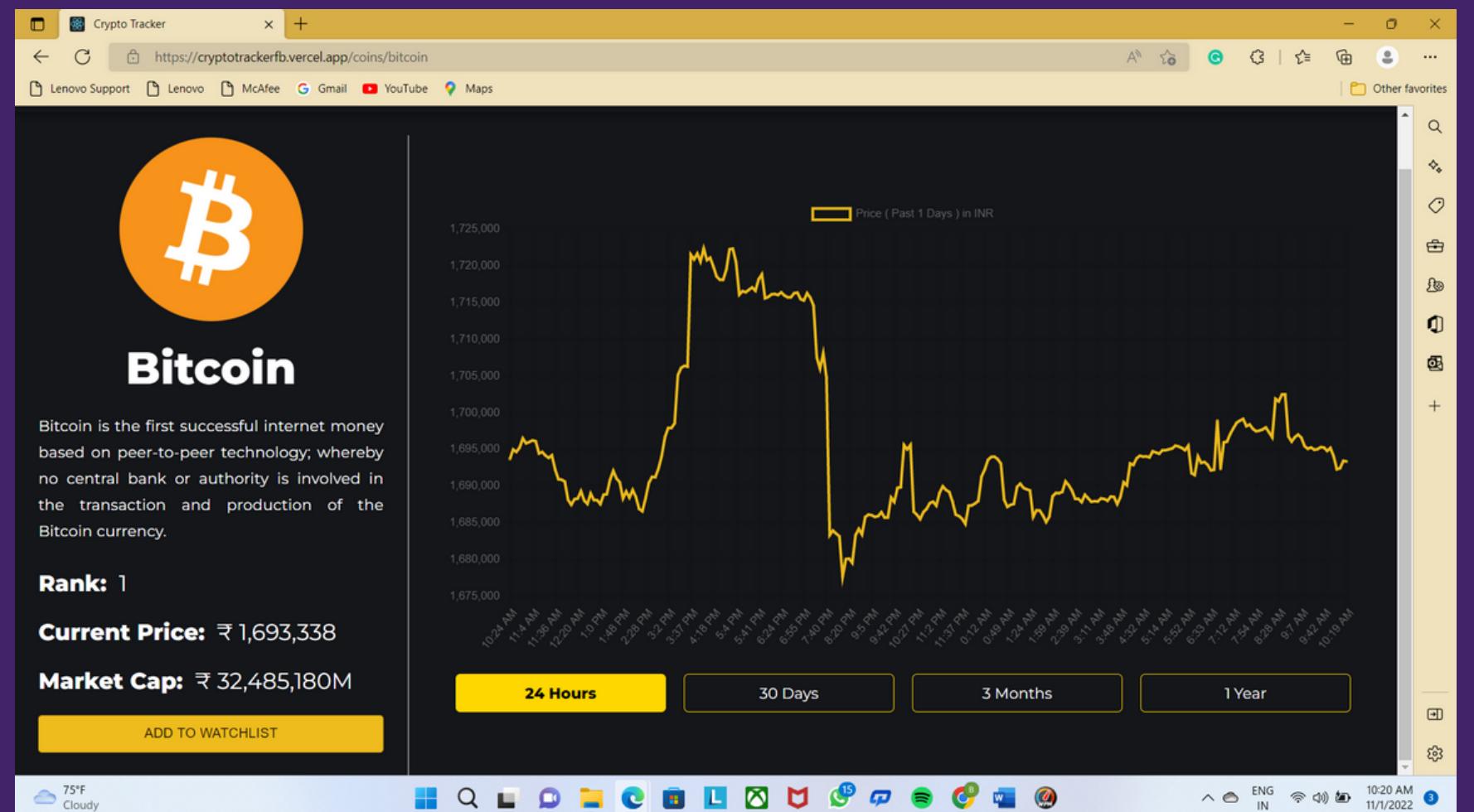
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User can now use the website by using link below
Crypto Tracker (cryptotrackerfb.vercel.app)



Conclusion

CryptoTracker website is a really interesting topic & new topic for the person who is Freshers or experienced person in it. Cryptocurrency, Blockchain these topics are gonna rule for the next generation web 3.0 applications can be updated with new Features and this website can run on any os like windows, mac, and Linux. Users also have the choice to edit the coin. Our Project have good scope for running it in internet





Future work

- In future We also want to add wallets like metamask,coinbase,opensea, and WazirX which work Like a crypto exchange which also have global access where transcation will be in snap of thing.
- Adding more features currently we only added two currencies But more will be shown in future updates,like fiat currencies where every country currency price range available
- For next feature will be the point where user can also see the coin price when he added to watchlist like a checkpoint.

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THANK YOU

