
VALLIAMMAL COLLEGE FOR WOMEN

CRYPTOVERSE : A CRYPTOCURRENCY

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Role in the project

PRIYADHARSHINI.S - SEARCH MODULE

PRIYADHARSHINI.R. - WEBSITE MODULE

RABIYATHUL BASSARIYA.A. - HOMEPAGE MODULE

RAGAVARSHINI.R. - PRICE CHART MODULE

The mentioned modules are designed and checked by the respective team members.



INTRODUCTION

- A dashboard providing real-time cryptocurrency insights. Track prices, trends, and portfolio performance.
- The broader landscape of blockchain-based technologies and digital assets, including not just cryptocurrencies but also smart contracts, decentralized applications (dApps), and the infrastructure that supports them.
- A digital currency designed to work through a computer network that is not reliant on any central authority, such as a government or bank, to uphold or maintain it.

OBJECTIVE

Display realtime
Cryptocurrency
prices and trends

Allow user to add
track their crypto
holding.

Enable user to
convert between
different
Cryptocurrencies.

Fetch and display
crypto-related news
updates.

PROBLEM STATEMENT AND SOLUTION

Problem Statement

- Crypto markets are highly volatile
- Difficult to track multiple cryptocurrencies in real-time
- Lack of unified dashboard for market analysis

Solution

- Cryptoverse Provides live price tracking
- Real-time analytics & trends
- Portfolio management & alerts

SYSTEM REQUIREMENTS

Functional Requirements - sub requirements

- Crypto Currencies and Discovery - Search and list top 10 Cryptocurrencies
- Price chart – Display price chart of specific Cryptocurrency
- Admin management – Manag users and accounts, Monitor system analytics

Non Functional Requirements

- Usability
- Security
- Reliability
- Performance
- Availability
- Scalability



TECHNICAL ARCHITECTURE


Components & Technologies

- User Interface – HTML,CSS, JavaScript/React Js etc.
- Application Logic-1 – Java/Python
- Application Logic-2 – IBM Watson STT service
- External API – 1 – IBM Weather API, etc

Application Characteristics

- Open source frameworks – React js, Node.js, ANTD, charts.js
- Scalable Architecture – HTTPS, API key authentication (Rapid API)









SCREENSHOTS

 **Cryptoverse**

[Home](#)
[Cryptocurrencies](#)

Global Crypto Stats
Total Cryptocurrencies
33,315
Total Market Cap
1.7T
Total Markets
39.7K
Total Exchanges
169
Total 24h Volume
180.8B

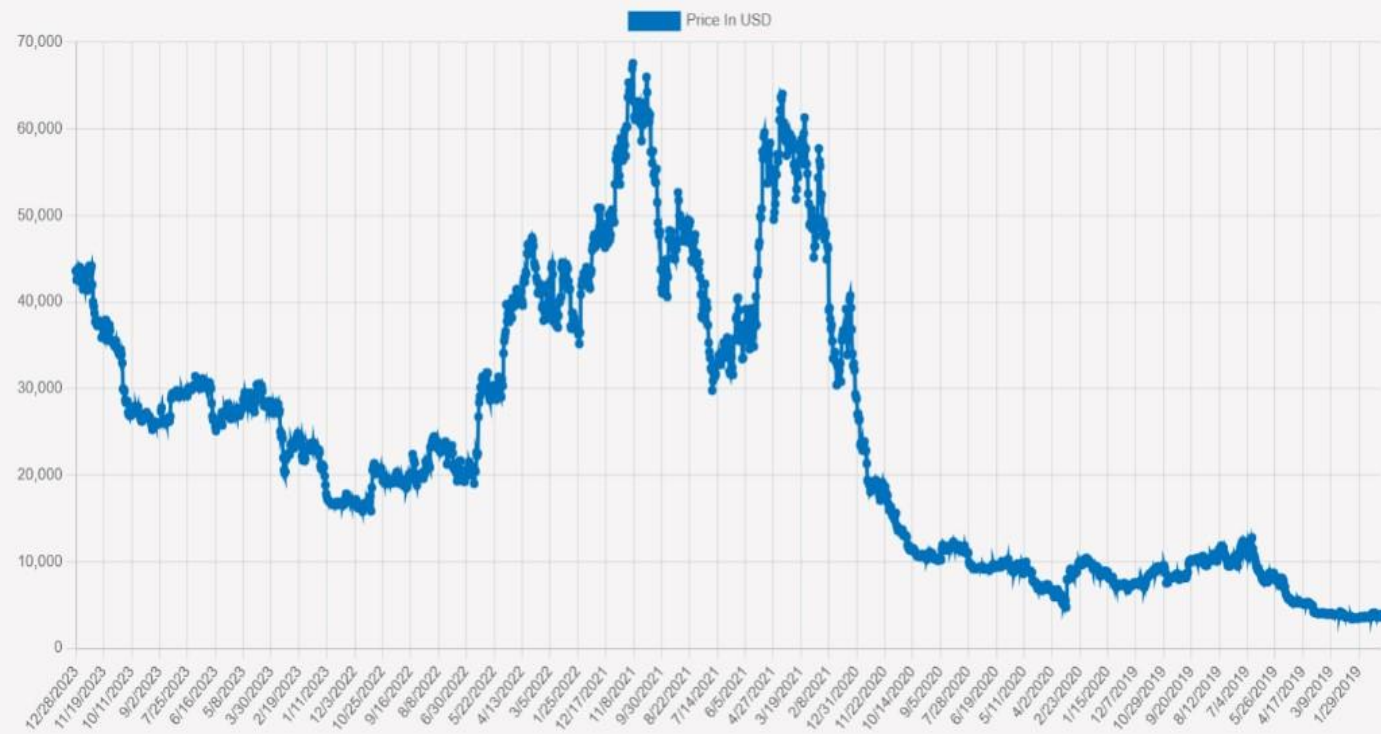
Top 10 Cryptocurrencies in the world
[Show More](#)

1. Bitcoin  Price: 42.9K Market Cap: 839.5B Daily Change: -0.1	2. Ethereum  Price: 2.4K Market Cap: 290.9B Daily Change: 4.3	3. Tether USD  Price: 1 Market Cap: 91.7B Daily Change: -0.3	4. BNB  Price: 332.2 Market Cap: 50.1B Daily Change: 7.3
5. Solana  Price: 102 Market Cap: 43.7B Daily Change: -9.6	6. XRP  Price: 0.6 Market Cap: 34.7B Daily Change: 1.4	7. USDC  Price: 1 Market Cap: 25B Daily Change: 0	8. Cardano  Price: 0.6 Market Cap: 23.2B Daily Change: 2.7

5y

Bitcoin Price Chart

Change: 1084.17% Current Bitcoin Price: \$ 42.9K



Bitcoin value statistics

An overview showing the stats of Bitcoin

③ Price to USD	\$ 42.9K
# Rank	1
⚡ 24h Volume	\$ 22.8B
③ Market Cap	\$ 840.4B
🏆 All-time-high(daily avg.)	\$ 68.8K

What is Bitcoin ?

Bitcoin is a digital currency with a finite supply, allowing users to send/receive money without a central bank/government, often nicknamed "Digital Gold".

Others statistics

An overview showing the stats of all cryptocurrencies

☑ Number Of Markets	3212
🏪 Number Of Exchanges	121
① Approved Supply	✓
① Total Supply	\$ 19.6M
① Circulating Supply	\$ 19.6M

Bitcoin Links

Website	bitcoin.org
Website	bitcoinmagazine.com
Bitcointalk	bitcointalk.org

FUTURE ENHANCEMENT

- Add support for user profiles and portfolio tracking.
- Implement a recommendation engine for personalized cryptocurrency insights.
- Add animations and transitions for a smoother user experience.
- This documentation provides a comprehensive overview of the CryptoVerse project, including its architecture, setup instructions, and future plans.

CONCLUSION

Cryptoverse is a powerful and intuitive cryptocurrency dashboard designed to help traders and investors stay ahead in the fast-paced crypto market. By providing real-time price tracking, portfolio management, and insightful analytics, it simplifies decision-making and enhances trading efficiency. With future enhancements like AI-driven predictions and NFT tracking, Cryptoverse aims to be the go-to platform for crypto enthusiasts. Stay informed, make smarter investments, and take control of your crypto journey with Cryptoverse.



THANK YOU