



# **VALLIAMMAL COLLEGE FOR WOMEN**

## **CRYPTOVERSE : A CRYPTOCURRENCY**

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# Role in the project

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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.

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# 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.

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# 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](#)

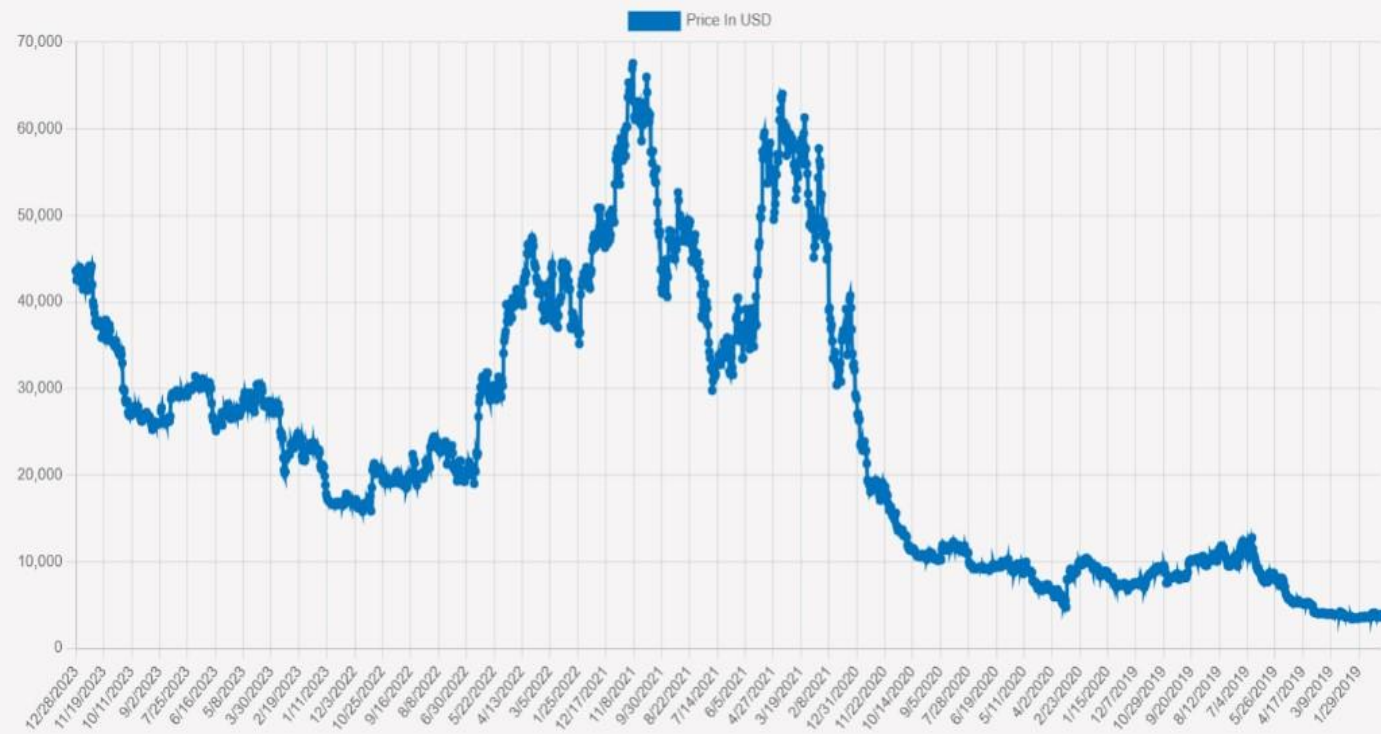
<b>1. Bitcoin</b>  Price: 42.9K Market Cap: 839.5B Daily Change: -0.1	<b>2. Ethereum</b>  Price: 2.4K Market Cap: 290.9B Daily Change: 4.3	<b>3. Tether USD</b>  Price: 1 Market Cap: 91.7B Daily Change: -0.3	<b>4. BNB</b>  Price: 332.2 Market Cap: 50.1B Daily Change: 7.3
<b>5. Solana</b>  Price: 102 Market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



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## 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	<a href="https://bitcoin.org">bitcoin.org</a>
Website	<a href="https://bitcoinmagazine.com">bitcoinmagazine.com</a>
Bitcointalk	<a href="https://bitcointalk.org">bitcointalk.org</a>

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# 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.

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# 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**