

VALLIAMMAL COLLEGE FOR WOMEN

PROJECT TITLE: CRYPTOVERSE : A CRYPTOCURRENCY DASHBOARD

NM ID: SWTID1741250110150019, TEAM-150019

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ROLES IN PROJECT

1. Shalini M – Search Module
2. Sandhiya J – Website Module
3. Sarumi K – Home Page Module
4. Sharmila R – Price Chart Module



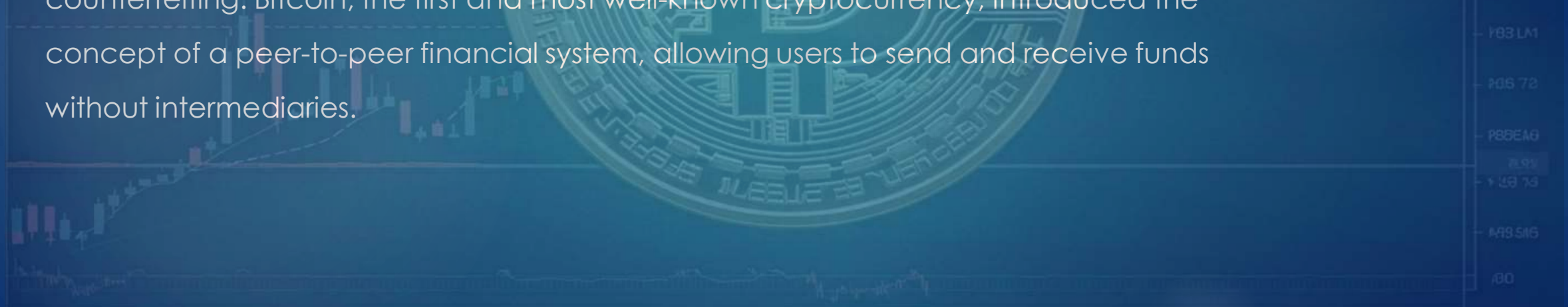
INTRODUCTION

A cryptocurrency dashboard is a powerful tool that provides real-time data and insights on cryptocurrency markets, enabling users to track and analyze their investments with ease. By offering features such as real-time price updates, market data, portfolio tracking, and alerts, these dashboards help users make informed decisions and stay ahead of market trends. Whether you're a seasoned investor or just starting out, a cryptocurrency dashboard is an essential platform for navigating the complex and ever-changing world of cryptocurrencies.



WHAT IS CRYPTOCURRENCY ?

Cryptocurrency is a digital form of money that relies on blockchain technology to operate in a decentralized manner, without the control of governments or banks. It uses cryptographic techniques to secure transactions, making it resistant to fraud and counterfeiting. Bitcoin, the first and most well-known cryptocurrency, introduced the concept of a peer-to-peer financial system, allowing users to send and receive funds without intermediaries.



BENEFITS OF CRYPTOCURRENCY



Decentralization



security



Low transaction fees

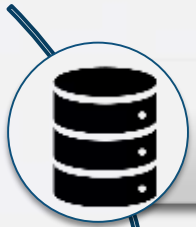


Limited supply



Investment opportunities

TECHNICAL SPECIFICATION



DATA SOURCE



DATA UPDATE FREQUENCY



SECURITY

TESTING AND STRATEGY

Testing Strategy:

- o **Unit Testing:** Using **Jest** and **React Testing Library**.
- o **Integration Testing:** Ensures that components work together as expected.
- o **End-to-End Testing:** **Cypress** is used for end-to-end testing of user flows.



SCREEN SHOTS

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Bitcoin value statistics

An overview showing the stats of Bitcoin

Price to USD	\$ 42.9K
Rank	1
24h Volume	\$ 22.8B
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

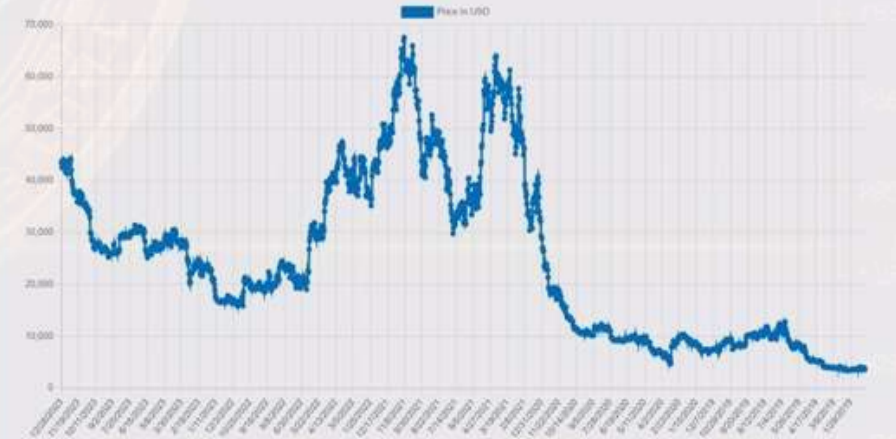
An overview showing the stats of all cryptocurrencies

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

Bitcoin Links

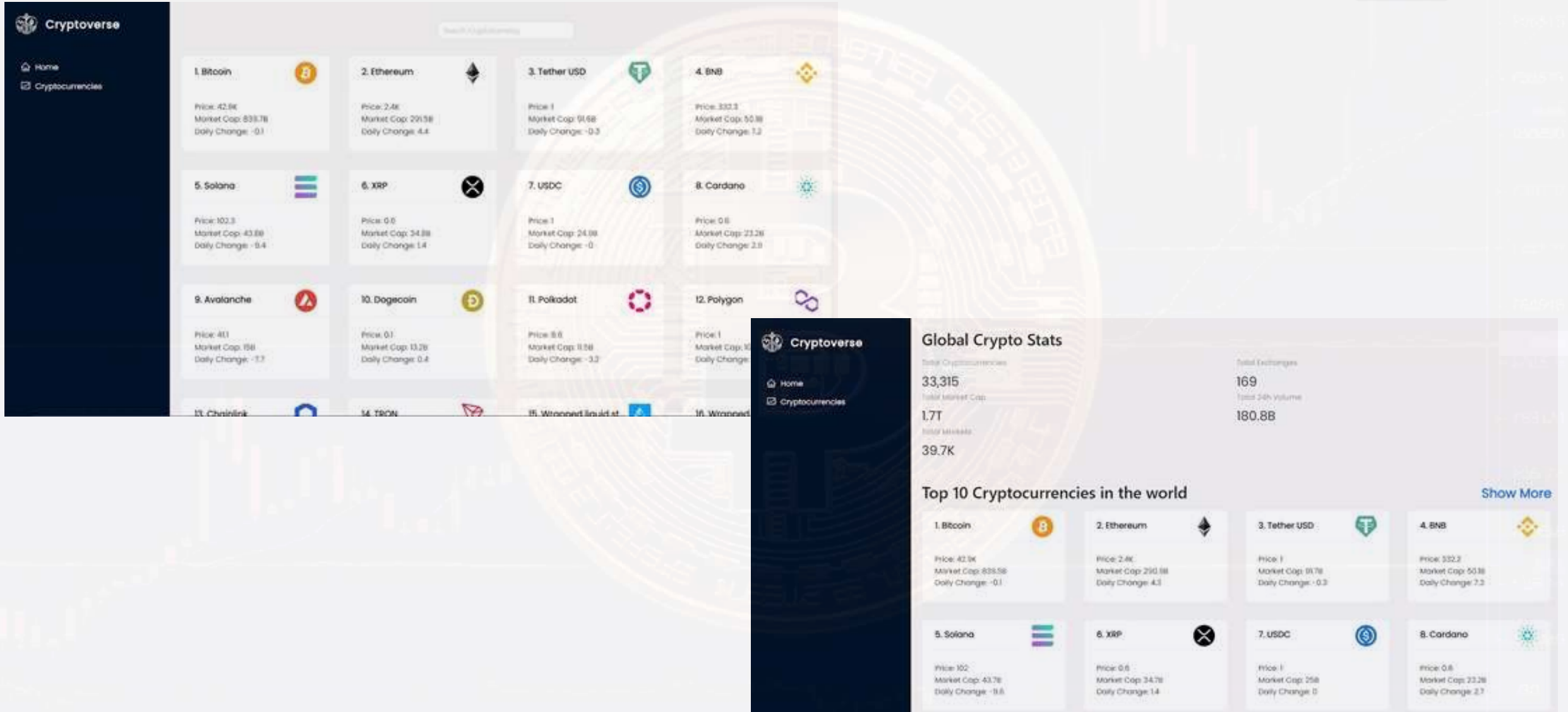
Website	bitcoin.org
Website	bitcoinmagazine.com
Bitcointalk	bitcointalk.org

Bitcoin Price Chart



SCREEN SHOTS

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FUTURE ENHANCEMENT

Future Features:

- Add support for user profiles and portfolio sharing.
- 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

A cryptocurrency dashboard provides a comprehensive overview of market trends, price movements, and portfolio performance in real-time. By integrating data such as live price tracking, historical charts, and transaction details, it enables users to make informed investment decisions. With the growing adoption of digital assets, having a well-structured dashboard enhances transparency and accessibility, allowing traders, investors, and enthusiasts to navigate the crypto space efficiently. As the market evolves, incorporating advanced analytics and security features will be crucial for maximizing usability and trust in cryptocurrency investments.



THANK YOU !

