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ijircce@gmail.com



www.ijircce.com

# “Crypto Verse” Following Latest Crypto Trends

**Dhruva Rawal, Udit Parab, Moin Thakur, Dhruv Sharma, Mr. Smita Dandge**

<sup>#</sup>Third Year – Diploma in Computer Engineering, Thakur Polytechnic, Mumbai, India

Mentor, Senior Lecturer in Thakur Polytechnic, Mumbai, India

**ABSTRACT:** The blockchain-based universe includes digital currencies, smart contracts, crypto exchanges and all the ancillary services created to deal with them. A cryptocurrency is a digital or virtual currency that uses cryptography for security. It is designed to not be reliant on any central authority, such as a government or bank, to uphold or maintain it.

Cryptocurrencies are available for purchase on various exchanges such as BigONE exchange. Smart contracts are used to execute transactions across different networks and significantly expand the range of possibilities for developers and users.

**KEYWORDS** – Crypto

## I. INTRODUCTION

There are many websites on the internet that provide information about crypto. If you are new to crypto space, you can either make a profit from cryptocurrencies or lose money through fraudulent scams and poor projects. Researching is very important before you step up therefore Crypto Verse provides you with all the necessary information you require before stepping into crypto space.

Crypto Verse is a website which gives details about all cryptocurrencies along with the live news about crypto. It displays the total market cap along with total markets available on the Internet it also shows the top ten cryptos in the world according to the available data on the Internet and it also shows us the live feed of the cryptocurrencies on the Internet.

## II. RELATED WORK

Crypto verse provides its users with a wide range of information about all the cryptocurrencies with their current trends. Crypto verse focuses heavily on market analysis, including price charts, market cap and trading volumes. Crypto verse gives live news about crypto which helps a person to understand the current blockchain market. Crypto verse provides everything a person should know before entering Blockchain. Crypto verse's vision is to increase the freedom of money globally. Crypto verse is an integrated platform for media, events, data & indices for the next generation of investing and the future of money.

Crypto Verse is a website that is easily accessible to all users on the internet, no user must install an app or search for different websites for details about any cryptocurrency. Information about all cryptocurrencies is displayed on one website and it gives live feed for all the information which is taken from the internet.

This website collects information from all over the Internet and displays it thus reducing the work of the user and the user need not visit different websites to find information about a particular crypto currency. Thus, it provides all the information about crypto in one single place.

## III. PROPOSED METHODOLOGY AND DISCUSSION

**Step 1: Start from scratch** - The first step in building a Crypto website is to decide which tools are to be used for development of the website. We used: VS Code, NPM (Node Package Manager), React JS, API

**Step 2: Identify the target audience** - Find the target audience along with the problems they are facing and create a website to solve these problems.

**Step 3:** Define scope and goals – It is important to define the website's purpose and goals. To define the goals and scope of a website we must first know the why, what and how we will accomplish it.

**Step 4:** Design the User Interface - Creating a simple and user-friendly interface (UI) is essential for a Crypto website. The UI should help users easily find information. The UI should also work well on different devices and platforms, providing a smooth user experience.

**Step 5: Perform Testing-**White box Testing: White box testing can help improve the design, usability, security and performance of a website by finding errors, bugs and vulnerabilities in the code. Black box testing: Black box testing is a technique that tests the functionality and performance of a website without knowing its internal structure, design or coding. The tester provides inputs and observes the outputs generated by the website under test.

**Step 6: Publish the website-** After Performing all the tests and fixing all the bugs found, then the website is provided to a small group of beta testers who will use and test the website and report any bugs or errors found to the developers. After the website this tested by the beta testers the website is published for general use.

**Step 7: Marketing of the website -** After publishing the website it's time to market the website for it to reach the mass audience, we run multiple ad campaigns, we build a marketing strategy to promote that, we can promote it on social media via ads and content marketing.

### III. PROPOSED ALGORITHM

Step 1: Determine the goal of the algorithm – The first step is going to be to decide the functionality and goal of the algorithm, deciding on API to be used etc.

Step 2: Access historic and current data – We need to design the algorithm so that it can search, retrieve and display the required data to the user.

Step 3: Choose the right models – In this step we needed to decide on which model to use for the development of our project.

Step 4: Fine tuning – Here, we did a few fine changes according to our required specifications.

Step 5: Visualize your results – In this step, we visualized the results in our minds so that we can develop the algorithm properly.

Step 6: Running your algorithm continuously – In this step, keep the algorithm running.

IV. BLOCK DIAGRAM OF WEBSITE

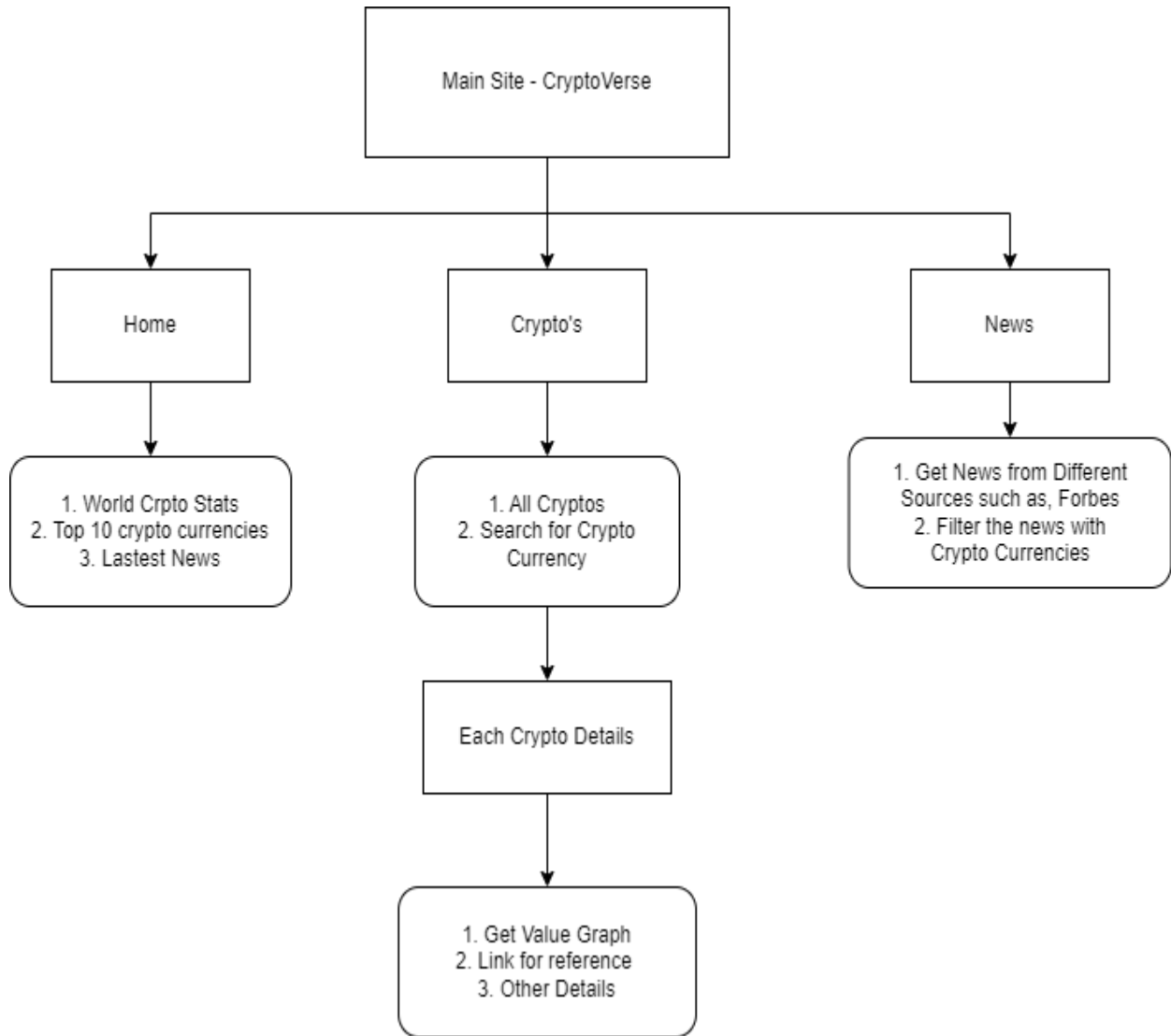


Fig 1.1 : Block Diagram of CryptoVerse website

The Crypto Verse Website is divided into 3 sections.

1. Home Page: This page displays the global crypto stats and the top 10 trending cryptocurrencies in the world.
2. Cryptocurrency; This page will display all the available cryptocurrency on the internet and will display more detailed information on them when selected. Such as: Price chart, Value Statistics, etc.
3. News: This page displays all the news about crypto from all the major news sources at one place.



**Crypto Verse:**

The screenshot displays the Cryptoverse website interface, which is divided into three main sections:

- Global Crypto Stats:** This section provides an overview of the cryptocurrency market. It lists:
  - Total Cryptocurrencies: 24,106
  - Total Market Cap: \$1.2T
  - Total Exchanges: 179
  - Total 24h Volume: \$92.7B
  - Total Markets: 39.1K
- Top 10 Cryptos In The World:** This section features a grid of 16 cryptocurrency cards (labeled 1-16). Each card displays the name of the cryptocurrency, its price, market capitalization, and daily percentage change. The top 10 are:
  - Bitcoin
  - Ethereum
  - Tether USD
  - BNB
  - USDC
  - XRP
  - Cardano
  - Dogecoin
  - Polygon
  - OKB
  - Polkadot
  - Solana
  - Wrapped Ether
  - Binance USD
  - Chainlink
  - Shiba Inu
- Bitcoin (BTC) Price:** This section is dedicated to the price of Bitcoin. It includes a line chart titled "Bitcoin Price Chart" showing the price in US Dollar (USD) over a 7-day period. The current price is \$28.3K, with a 5.62% change. The chart shows a general upward trend followed by a sharp decline.

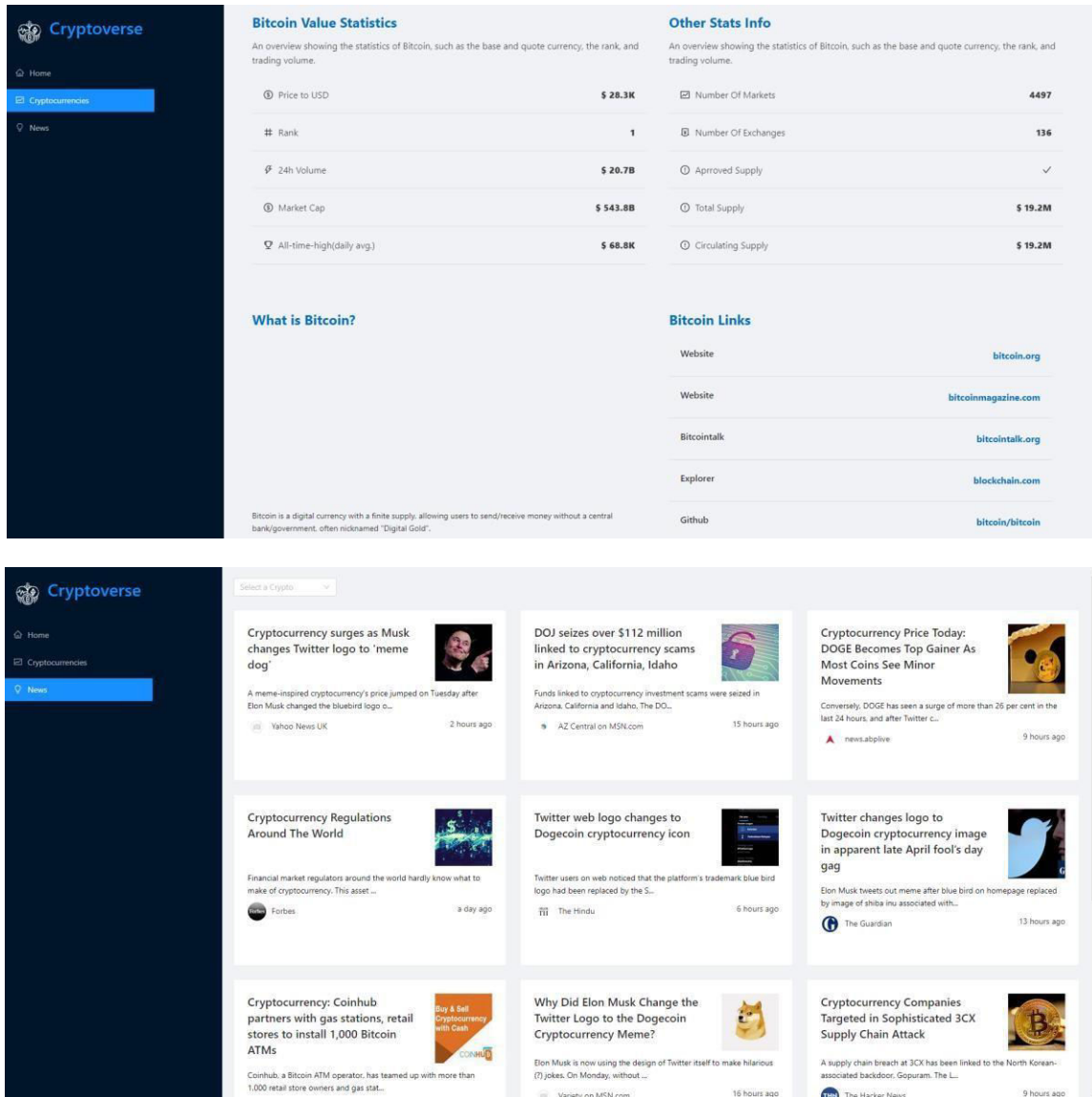


Fig 1.2 : Screenshots of CryptoVerse website

## V. CONCLUSION

This project is a life saver for many new crypto enthusiasts. Imagine having one platform with all you need crypto information in it. A very interactive and user-friendly website which makes you ready to step into the world of crypto. A website with live crypto news which can surely help you prevent a future financial disaster. A website which works based on current market trends and analysis. Crypto verse can surely be a good guide when stepping into the crypto universe

## VI. ACKNOWLEDGMENT

We would like to express our sincere thanks to our guide, Mr. Smita Dandge and all the staff in the faculty of Computer Engineering for their valuable assistance.



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