Parsec Funds Riasing Dapp Report

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1 Introduction

The Parsec Funds Dapp is a decentralized application built on the Ethereum blockchain that enables investors to easily invest in a diverse portfolio of cryptocurrency assets. The motivation behind the app is to provide a user-friendly and secure way for sponsors to sponsor the Parsec Events of IITdh, which can be a complex and risky endeavor. By leveraging the power of blockchain technology, the Parsec Funds Dapp provides sponsors with greater transparency and control over their investments.

2 Technical Architecture

The Parsec Funds Dapp is built on top of the Ethereum blockchain and uses smart contracts to view investment funds. The front-end of the app is built using React.js, a popular JavaScript library for building user interfaces. The back-end of the app is built using Firebase and Solidity and, a programming language specifically designed for writing smart contracts on the Ethereum blockchain. The app also utilizes several open-source libraries and frameworks, including Truffle, Ganache, and Web3.js.

3 Design and Implementation

The design and implementation of the Parsec Funds Raising Dapp was divided into several phases. In the first phase, we conducted extensive research on existing cryptocurrency sponsoring platforms and analyzed our college needs and pain points.

In the second phase, we designed the user interface using React.js and implemented the front-end of the app. We focused on creating a simple and intuitive user interface that would make it easy for users to invest in cryptocurrency funds and used Firebase to store users personal data.

In the third phase, we implemented the back-end of the app using Solidity and Truffle. We created several smart contracts that create events and enable

investors to sponsor the events added by Parsec Team. We also implemented several security features, such as authentication and role-based access control, to ensure the security of user funds.

4 Modules and Screenshots

The Parsec Funds Dapp consists of several modules, including:

- Account creation and authentication
- Event Creation
- Funds tracking and reporting
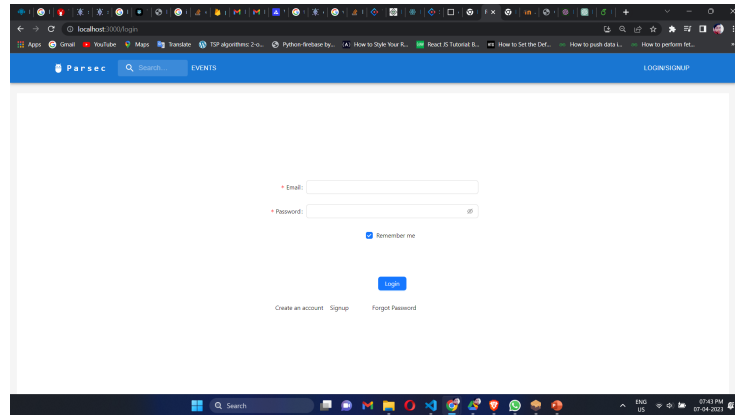
Below are some screenshots of the app:

Figure 1: Parsec Funds Dapp Login Page

As you can see in Figure 1, the login page allows users to enter their credentials to access the app. Figure 2 shows the signup page, where users can create a new account. The events page, shown in Figure 3, displays a list of upcoming events that sponsors can sponsor. Figure 5 shows the sponsoring event page, where users can select an event to sponsor and specify the amount they want to contribute. Figure 6 shows the adding event page, where event organizers can create a new event and specify its details. Finally, Figure 8 shows the transactions page, where users can view their investment history and track the performance of their investments.

Overall, the Parsec Funds Raising Dapp provides a user-friendly and secure way for people to invest in cryptocurrency funds. By leveraging the power of blockchain technology, the app provides investors with greater transparency and control over their investments, making it easier for them to navigate the complex and rapidly evolving world of cryptocurrency.
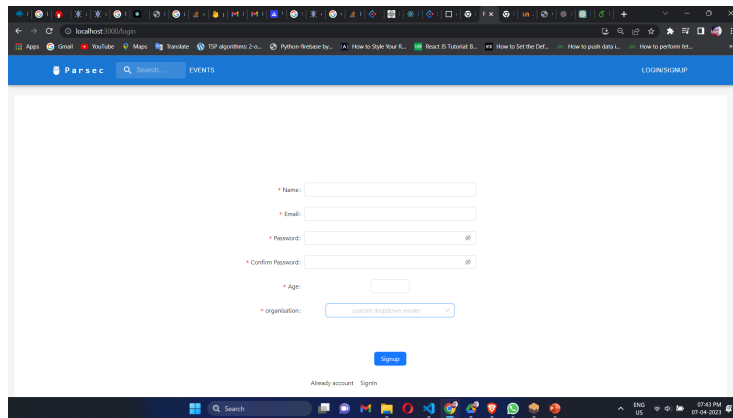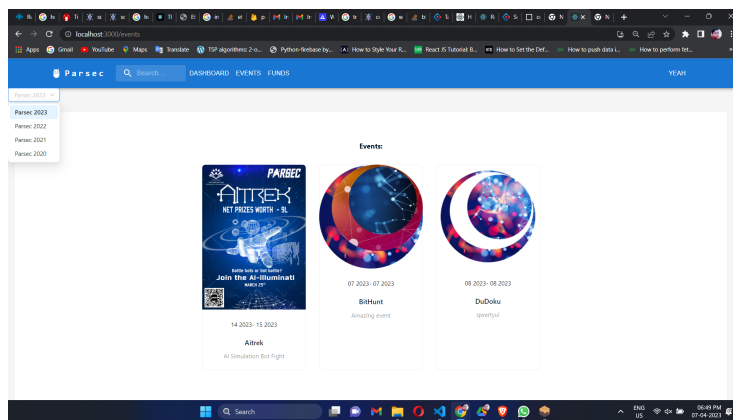
Figure 2: Parsec Funds Dapp Signup Page

Figure 3: Parsec Funds Dapp Events Page

5 Conclusion

In conclusion, the Parsec Funds Raising Dapp provides sponsors with a simple and secure way to sponsor IITDH Parsec Events. By leveraging the power of blockchain technology, the app provides sponsors with greater transparency and control over their investments. We believe that the Parsec Funds Dapp has the potential to revolutionize the way Parsec Events get Funds, and we are excited to continue developing and improving the app in the future.
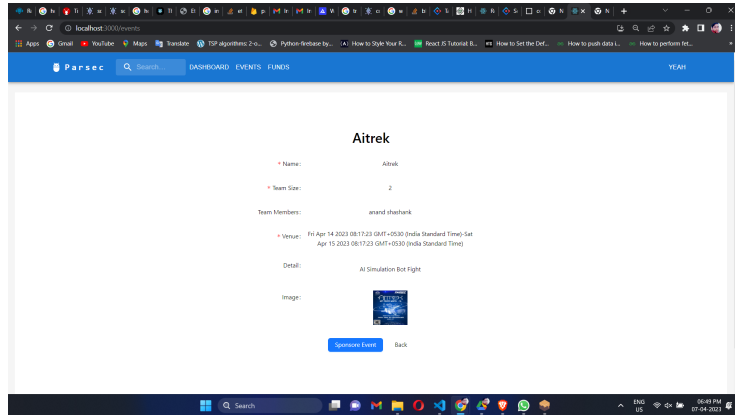
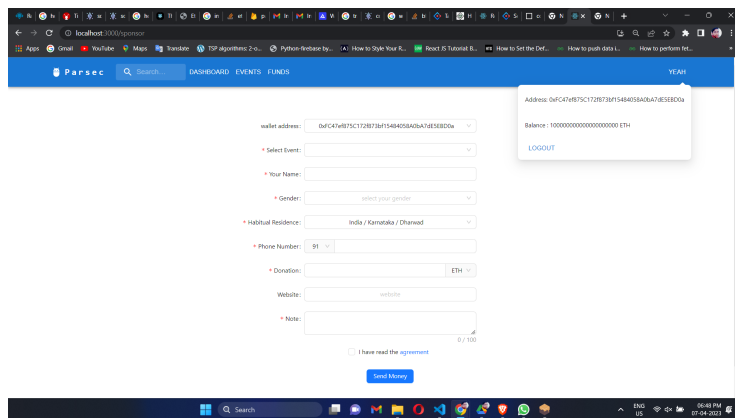Figure 4: Event Details to sponsors

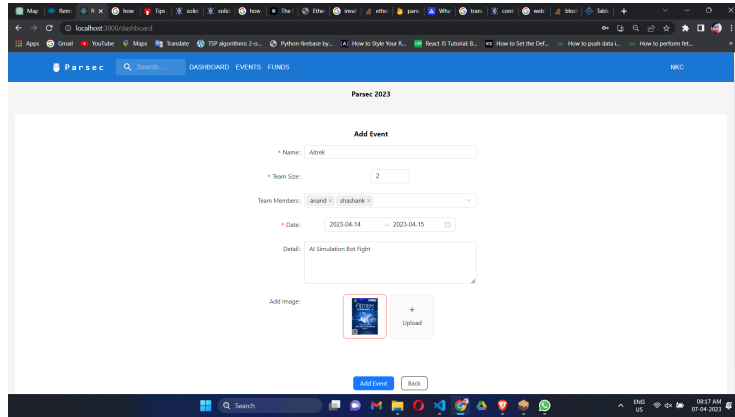Figure 5: Parsec Funds Dapp Sponsoring Event Page

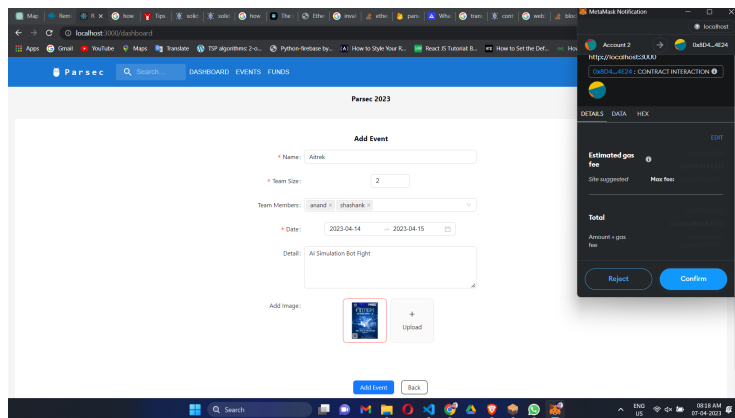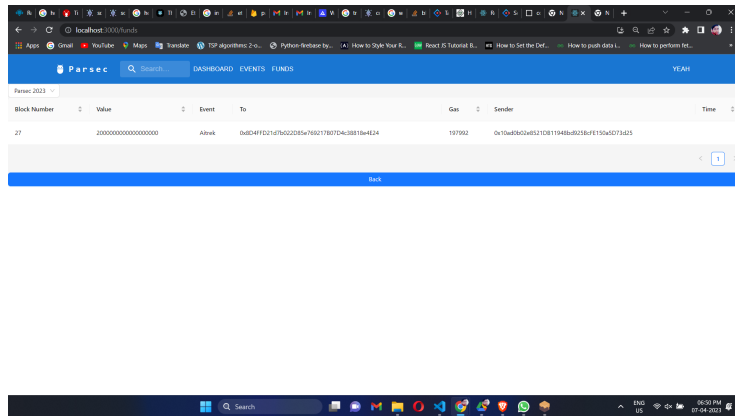Figure 6: Parsec Funds Dapp Adding Event Page

Figure 7: Confirming Adding Event Page

Figure 8: Parsec Funds Dapp Transactions Page