

Giffy Goat - Cryptocurrency Presale Platform

Project Overview

Giffy Goat is a comprehensive multi-chain cryptocurrency presale platform built using React and modern Web3 technologies. This platform enables users to participate in the presale of the GIFFY token across both Ethereum and Binance Smart Chain networks.

Features

- Multi-chain Support: Seamlessly switch between Ethereum and BSC networks
- Multiple Wallet Integration: Connect with MetaMask, WalletConnect, Coinbase Wallet and more
- Stage-based Presale System: Different token prices and bonuses based on current presale stage
- Real-time Metrics: Live tracking of token sales, remaining allocation, and time until next stage
- USD Price Conversion: Automatic conversion between crypto and USD values
- Transaction Notifications: Real-time feedback on transaction status
- Responsive Design: Optimized for all device sizes

Technologies Used

- Frontend: React 18, Vite
- Styling: Styled Components, Bootstrap 5
- Routing: React Router 6
- Web3 Integration:
 - RainbowKit for wallet connection
 - Wagmi for blockchain interactions
 - Viem for Ethereum data types
- State Management: React Context API
- External APIs: Coinbase API for price conversion

Key Implementation Details

Multi-chain Support

The platform allows users to seamlessly switch between Ethereum and BSC networks with automatic updates to all displayed data, pricing, and transaction methods.

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Presale Stages

The system implements a stage-based presale with:

- Different token prices per stage
- Dynamic bonus rates
- Countdown timers between stages
- Automatic stage progression

Real-time Data

All blockchain data is fetched and displayed in real-time, including:

- Current token sales
- Remaining allocation
- User wallet balances
- Current stage information
- USD price conversion

Portfolio Context

This project demonstrates my ability to:

- Build complex React applications with multiple interconnected components
- Implement Web3 functionality with wallet connections and blockchain transactions
- Create responsive, user-friendly interfaces for blockchain applications
- Manage state across a large application using Context API
- Integrate with multiple blockchain networks and external APIs

Future Enhancements

- Additional network support (Polygon, Arbitrum, etc.)
- Token vesting dashboard
- Team token allocation management
- Integration with decentralized exchanges for post-presale trading

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