STEPS

TOKENIZATION

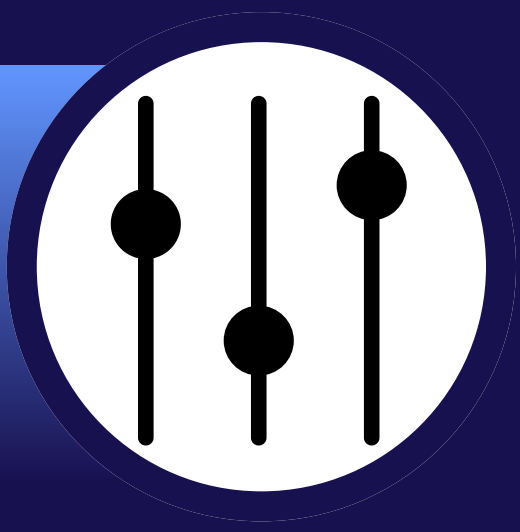
PROTOTYPE

DATA RECEIVING

The AI-powered technology provides energy consumption data through a CSV folder. This system efficiently delivers detailed insights into energy usage, leveraging advanced data processing capabilities.

ADDING AVERAGE ENERGY CONSUMPTION WITH THE DATE SLIDER

- Initialized state for various application variables.
- Mounted component to initialize Web3 and fetch CSV data.
- Initialized Web3 with MetaMask, requested accounts, and fetched contract details.
- Fetched and parsed CSV data from '/data.csv'.
- Fetched energy consumption based on selected date.

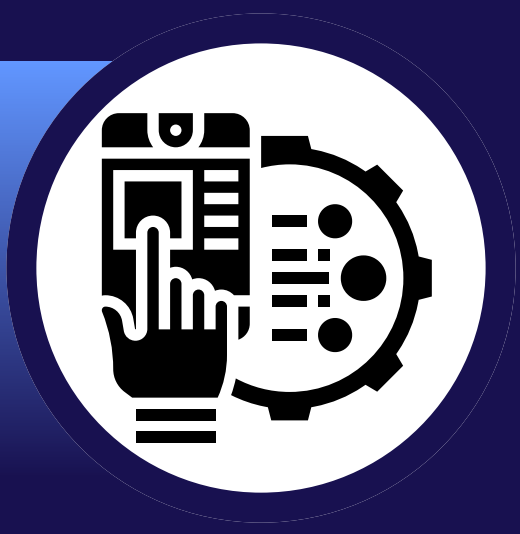


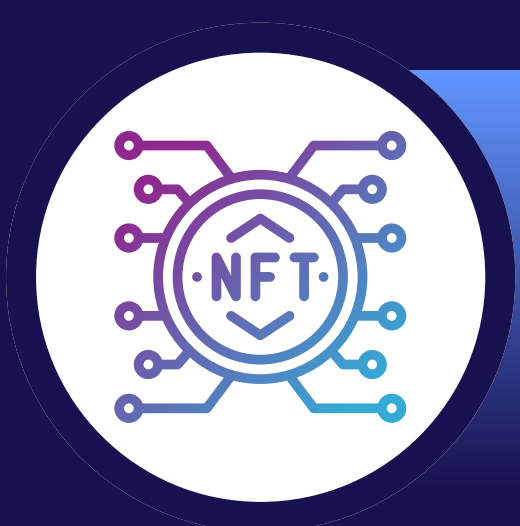
BLOCKCHAIN INTEGRATION AND CONTRACT MANAGEMENT FEATURES

- Handled NFT minting, ensuring it only occurs on the current date.
- Implemented contract pause functionality with MetaMask integration.
- Implemented contract unpause functionality with MetaMask integration.

INTERACTIVE DATE MANAGEMENT AND USER INTERFACE

- Managed date change event to update and fetch energy consumption accordingly.
- Created date formatting utility ('YYYY-MM-DD').
- Rendered UI for displaying account info, energy consumption, NFT minting inputs, and contract control buttons.





PROCCESING AND SENDING THE NFT & RECEIVING THE REWARD

- Ensure the selected date matches the current date for minting eligibility.
- Input recipient address, token ID, and URI for the NFT.
- Click "Mint NFT" button to trigger the contract method, sending the NFT and receiving rewards upon successful minting.