GreenVolt

Your Renewable Energy Hub

D. Open Innovation

HACK TO THE FUTURE | IEEE

What is GreenVolt?

GreenVolt is an online platform dedicated to promoting renewable and sustainable energy adoption and fostering connections within the green energy community. It offers a variety of features to educate, facilitate, and empower individuals and organizations in their transition to renewable energy sources.

Our mission and vision is to create an environment where everyone can learn more about green energy alternatives and buy these alternatives and one day completely remove all the carbon footprints from the world.

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Key Features

Marketplace

A marketplace to sell renewable resource generators such as solar panel, windmills, and batteries for personal home usage and promote more towards sustainable resources.

Key Features

Energy Tracker

Personal electric energy consumption tracking system which provides insightful information about consumption and reward users with less energy consumption per month with crypto currency and a leaderboard for top energy conservatives.

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Features

Many More!

Features like login system, community forum, blog pages to educate users about latest and best sustainable resources and practices!

Business Model

Running Ads on website as well as marketplace charges can greatly boost income as well as become a source to earn money to provide as rewards using crypto currency.

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Technical Details

(Not limited to this tech-stack only)

Language used for back-end: Python

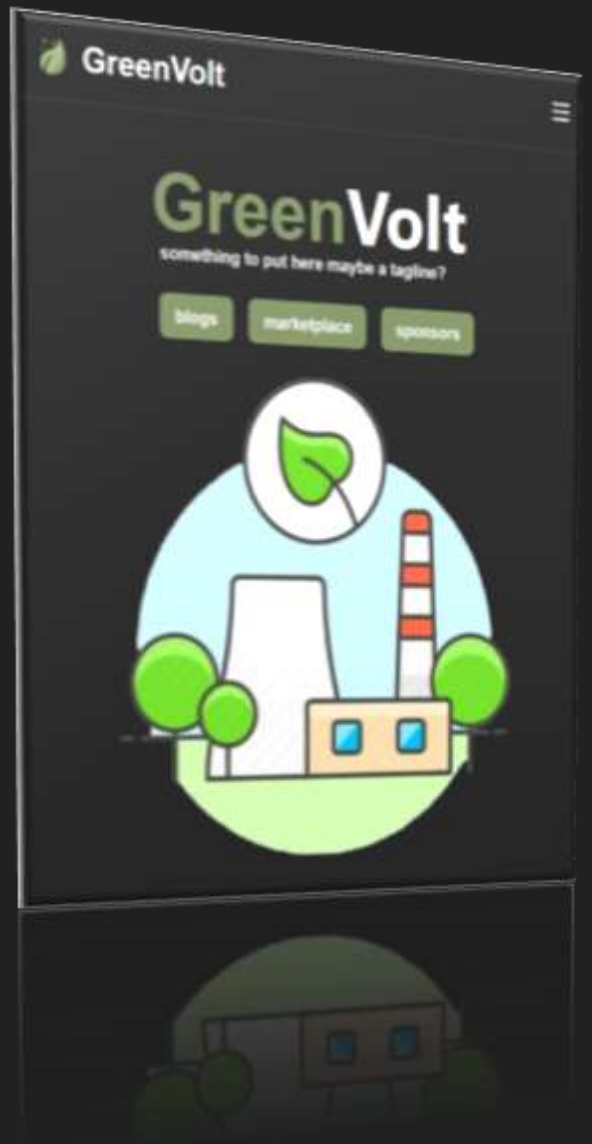
Back-end Libraries: FastAPI, Jinja2, Markdown, motor, pymongo, uvicorn, dnspython.

DataBase: MongoDB.

Front-end: HTML, CSS, JavaScript.

Front-end Frameworks: TailwindCSS.

Prototype



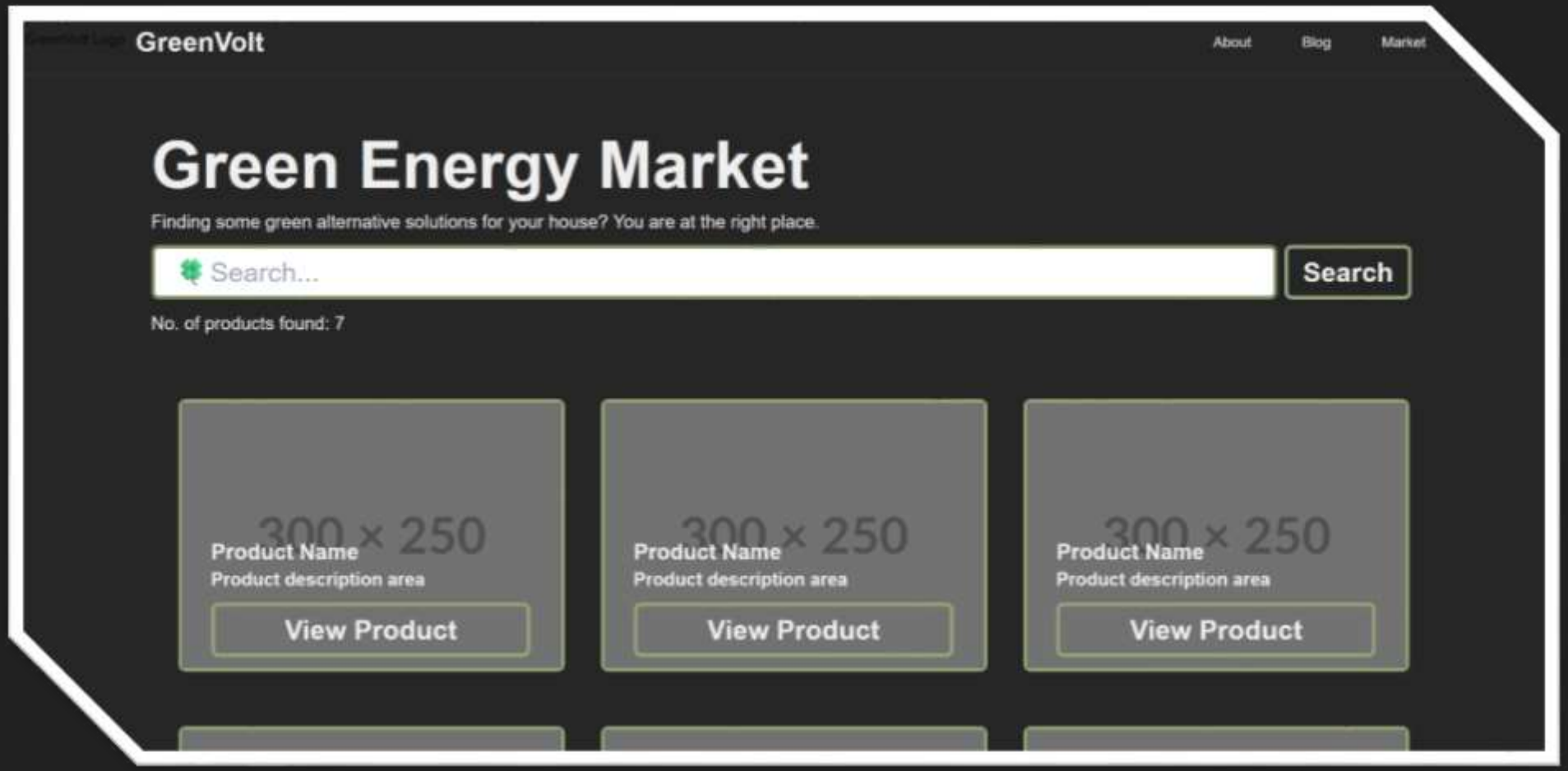
GreenVolt will have a simple yet so elegant design.

User experience comes first and mobile responsiveness is a must.

GreenVolt is a website where every single page is optimized of all Morden phones and tablets.

Prototype

Marketplace, GreenVolt‘s heart and soul.



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Thank You

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