

**Bachelor of Technology (B. Tech)**  
**Amrita School of Computing**  
**Amrita Vishwa Vidyapeetham University**  
**Ettimadai**  
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## **Redesigning Homepage**

**Note: Code file and video demo included in GitHub.**

**Link:<https://github.com/PGVignesh123/Telesto-Assignment.git>**

**17th January 2025**

# REDESIGNING HOMEPAGE

## Project Overview:

This report details the development of a modern, responsive website for Telesto Energy, demonstrating my technical capabilities and understanding of corporate web development requirements. The project focused on creating an engaging user interface that effectively communicates Telesto Energy's services and expertise in the energy sector.

## Technologies Used:

- HTML5
- CSS3
- JavaScript
- CDN Integration for Enhanced Performance

## Objectives:

Redesign the existing website homepage with respect to my design language.

## My Approach:

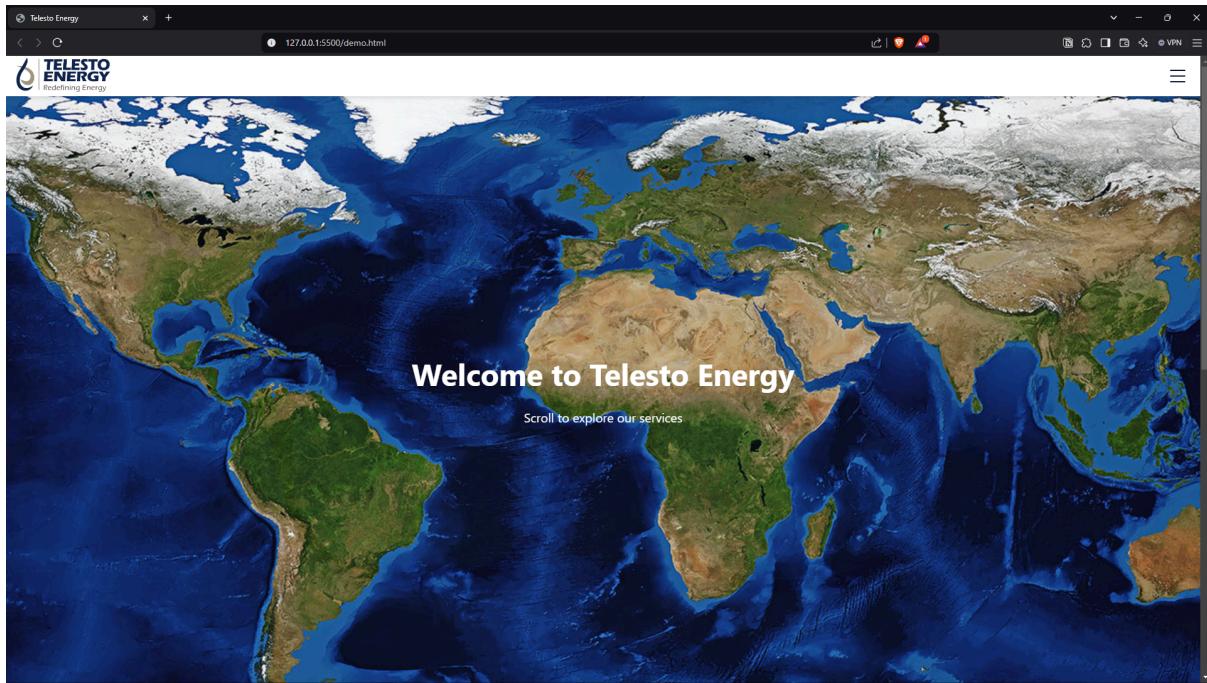
1. **Usability Analysis:** Identified the key pain point—vertical text orientation on the original page—which hampers readability.
2. **Redesign Solution:** Introduced a horizontal scrolling navigation mechanism to replace vertical text, ensuring content is accessible and visually aligned with user expectations.
3. **Implementation:** Utilized modern web technologies (e.g., HTML5, CSS3, JavaScript) to create an interactive and responsive scrolling design.

## Technical Implementation

## 1. Navigation System

- Implemented a fixed navigation bar with company logo
- Created a responsive hamburger menu for mobile devices
- Developed smooth transition animations for menu interactions
- Integrated overlay effects for enhanced user experience

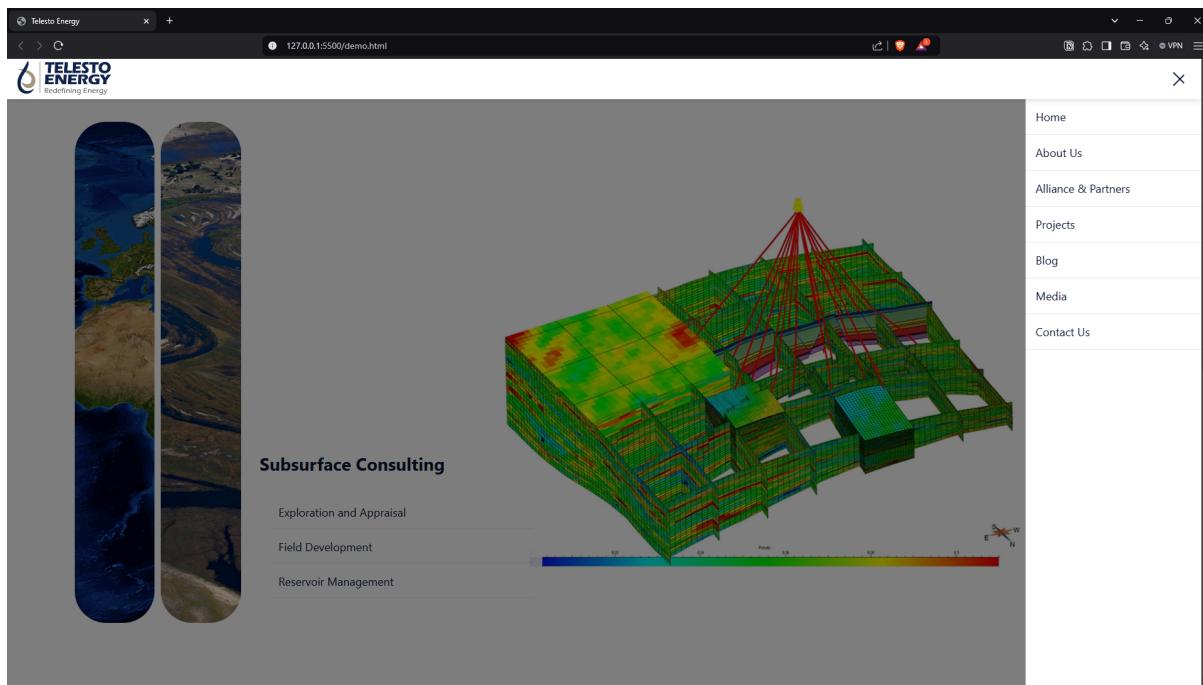
### LANDING PAGE :



## 2. Hero Section

Key features:

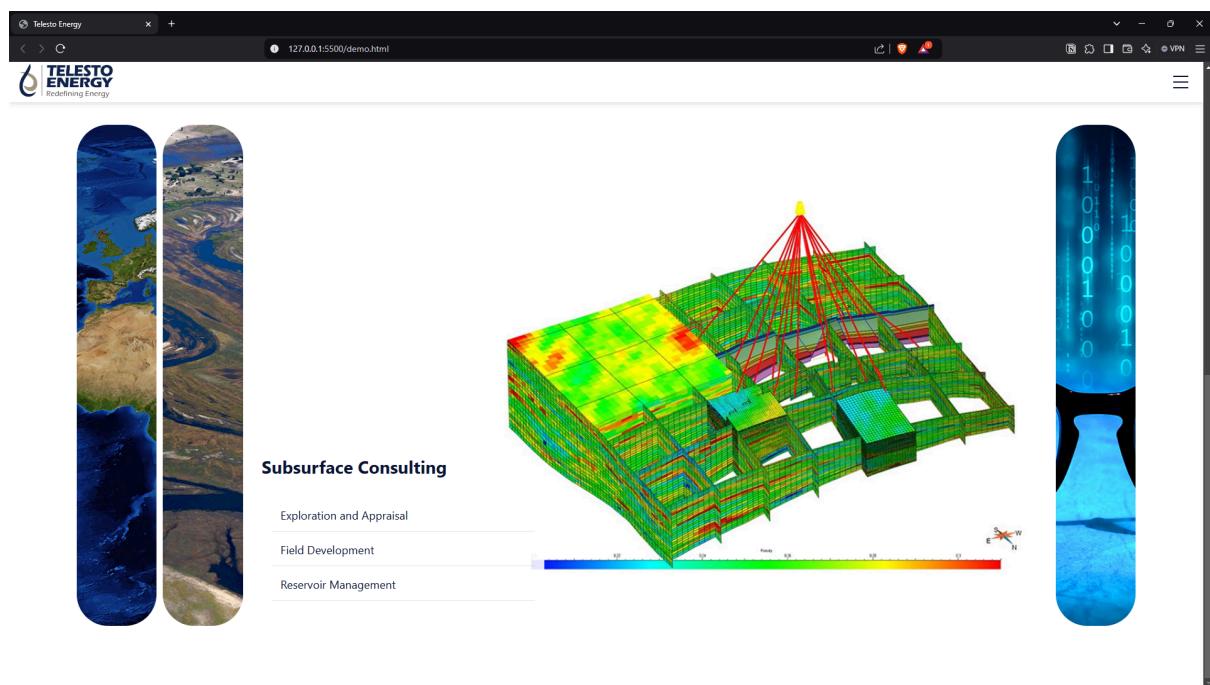
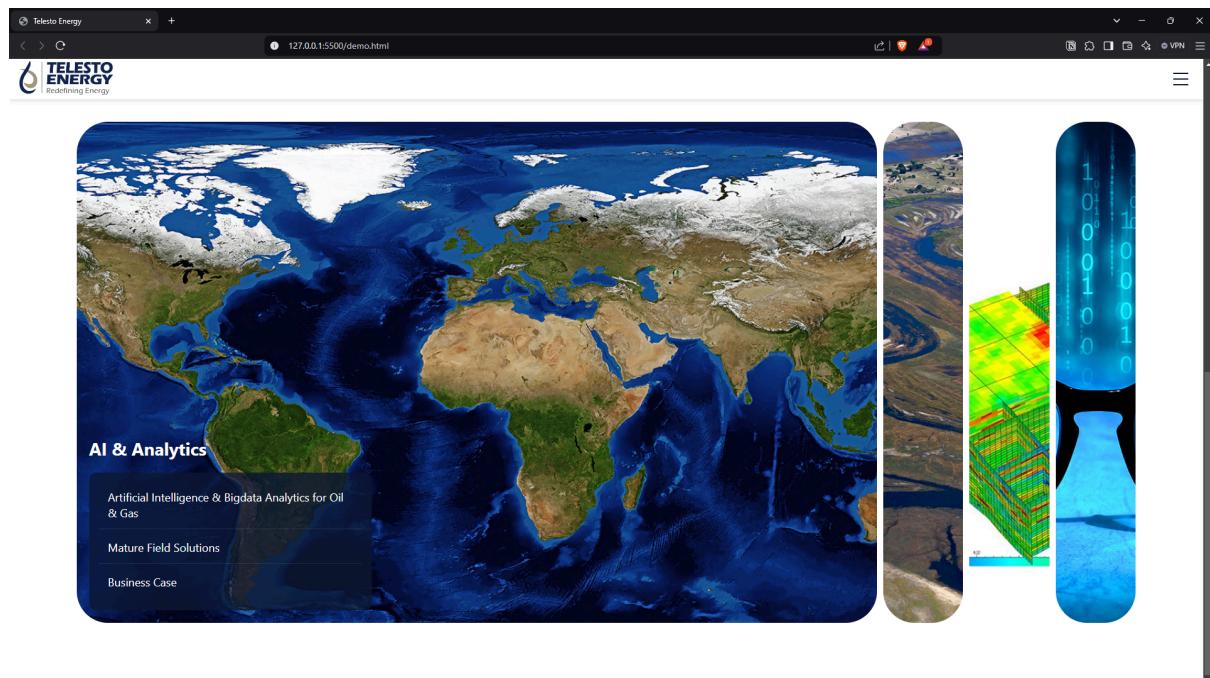
- Automatic slideshow with fade transitions
- Dynamic content presentation
- Responsive text scaling
- Optimized image loading



### 3. Services Showcase

Developed an interactive panel system featuring:

- Expanding animation effects
- Categorized service sections:
  1. AI & Analytics
    - Artificial Intelligence & Bigdata Analytics for Oil & Gas
    - Mature Field Solutions
    - Business Case
  2. Portfolio Advisory
    - Portfolio Advisory Services
    - Value Assurance
  3. Subsurface Consulting
    - Exploration and Appraisal
    - Field Development
    - Reservoir Management
  4. Team Telesto
    - Advisors
    - Core Team



## 4. Responsive Design

- Implemented fluid layouts for all screen sizes
- Created breakpoints for optimal viewing on:
  - Desktop monitors
  - Tablets
  - Mobile devices
- Ensured consistent user experience across platforms