

A

Project Report on

Startup Company Dynamic Website Replica With Extra Functionalities

Submitted in partial fulfillment of completion of the course

Advanced Diploma in IT, Networking and Cloud

Submitted by:

Team Royal Coders

Team Member 1:- JAI PRAKASH

Team Member 2:- PUKHRAJ

Deploy Link:- <https://vjai2324.github.io/StartupCompanyWebsite.github.io/>



Year 2022-24

Abstract

This project report presents the development and implementation of a startup company website clone, enriched with innovative functionalities, aimed at enhancing user experience and expanding the digital presence of the organization. The startup company, which serves as the basis for this project, operates in [insert industry], and its website serves as a crucial tool for branding, marketing, and customer engagement. The primary goal of this project was to replicate the existing website while introducing additional features and improvements to meet the evolving demands of the digital landscape.



Key Objectives:

Website Replication: The primary objective was to replicate the existing startup company website faithfully, ensuring that all content, layout, and design elements closely resemble the original.

Enhanced User Experience: To enhance user engagement and satisfaction, new functionalities were introduced, such as personalized user profiles, a blog section, and an integrated chatbot for customer support.

Mobile Responsiveness: Ensuring that the website is fully responsive on various devices, including smartphones and tablets, to cater to a broader audience.

Improved SEO: Implementing SEO best practices to improve the website's visibility on search engines and drive organic traffic.

Security: Enhancing the security measures of the website to protect user data and maintain the integrity of the platform.

Acknowledgement

I would like to express our sincere gratitude to several individuals and IBM organization for supporting us throughout our diploma study. First, we wish to express our sincere gratitude to our Edunet mentor, Mrs. Mala Mishra and Mr. Himanshu Gulati for her/his passion, patience, wise comments, helpful information, practical advice and never-ending ideas that have helped us greatly at all times in our study and writing of this project report.

I also wish to express our sincere thanks to my Training Officer, Mr. Insaf Ali for his huge knowledge, great experience and professional expertise in Industry has enabled us to complete this project successfully while making sure that it matched the industry standards.

Table of Contents	Pages
1. <u>Introduction to Problem</u>	5-7
2. <u>Proposed Solution</u>	8-11
3. <u>Requirements</u>	12-14
<u>3.1 Hardware</u>	
<u>3.2 Software</u>	
4. <u>User Requirements</u>	15
5. <u>Design Documentation</u>	16
6. <u>Implementation Details</u>	17-20
7. <u>Testing</u>	21-28
8. <u>Deployment</u>	29-31
9. <u>Future Scope</u>	32
10. <u>Conclusion</u>	33
11. <u>Appendix</u>	34-38
12. <u>References</u>	39

1. Introduction to Problem

In an era characterized by rapid digital transformation and evolving user expectations, startups often find themselves at the forefront of innovation, striving to deliver unique and value-driven solutions. The startup company under consideration shares this ambition, offering a range of web services to meet the diverse needs of its clientele.

However, in the pursuit of growth and market expansion, the startup company recognized the need to revamp its online presence. The existing website, while serving as a gateway to its services, presented certain challenges that hindered its effectiveness and user satisfaction. These challenges formed the nucleus of our project, driving us to embark on the development of a web services website replica with extra functionalities.

The Challenges

1. Outdated User Interface (UI)

The original website's user interface had become outdated, lacking the modern aesthetics and responsive design expected by contemporary web users. Its static nature hindered the seamless presentation of services and information.

2. Limited User Engagement

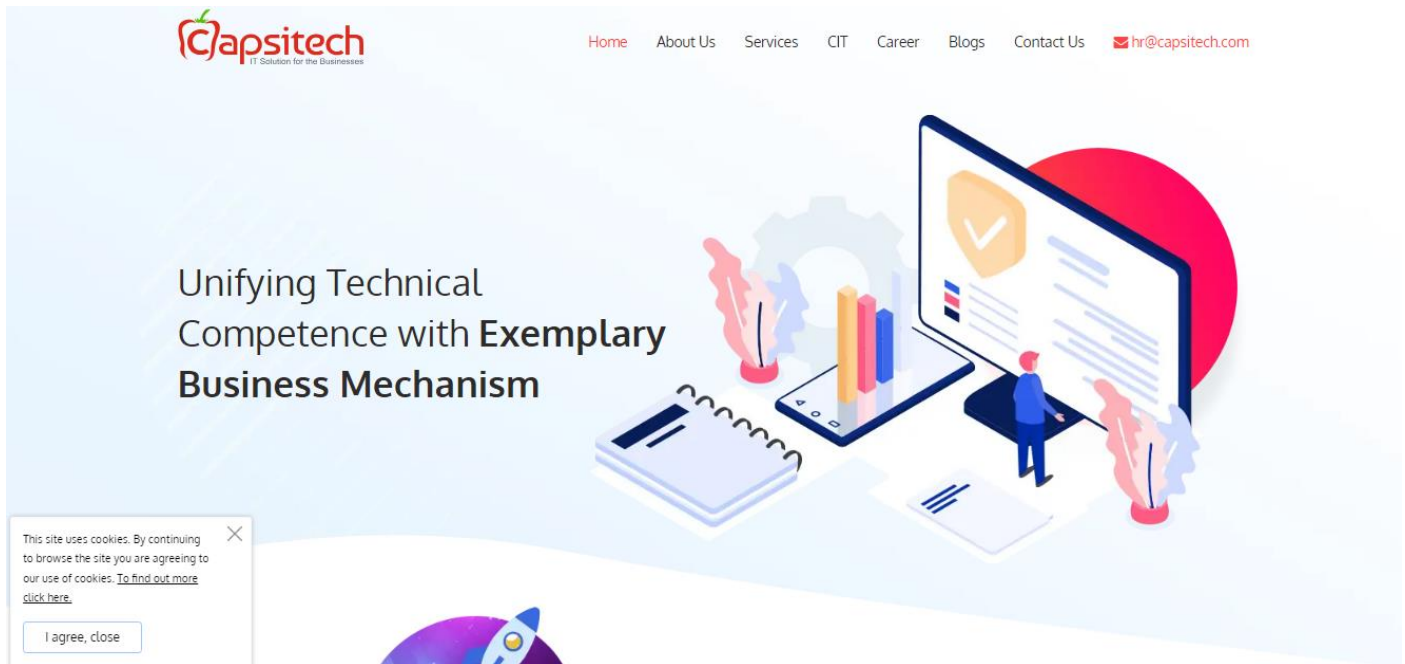
The absence of interactive elements and real-time updates on the website left users with limited engagement opportunities. In an era where user interaction and retention are paramount, this posed a significant hurdle.

3. Insufficient Functionalities

While the startup company's website provided basic information about its services, it lacked additional functionalities that could enhance user experience and utility. This included features like location-based services and real-time weather information, which could add substantial value.

4. Scalability Concerns

With aspirations of rapid growth, the startup company's management was concerned about the website's ability to scale efficiently with an expanding user base. Ensuring a seamless experience for users, even as the platform grew, became a vital consideration.



Original Website Image

The Project's Purpose

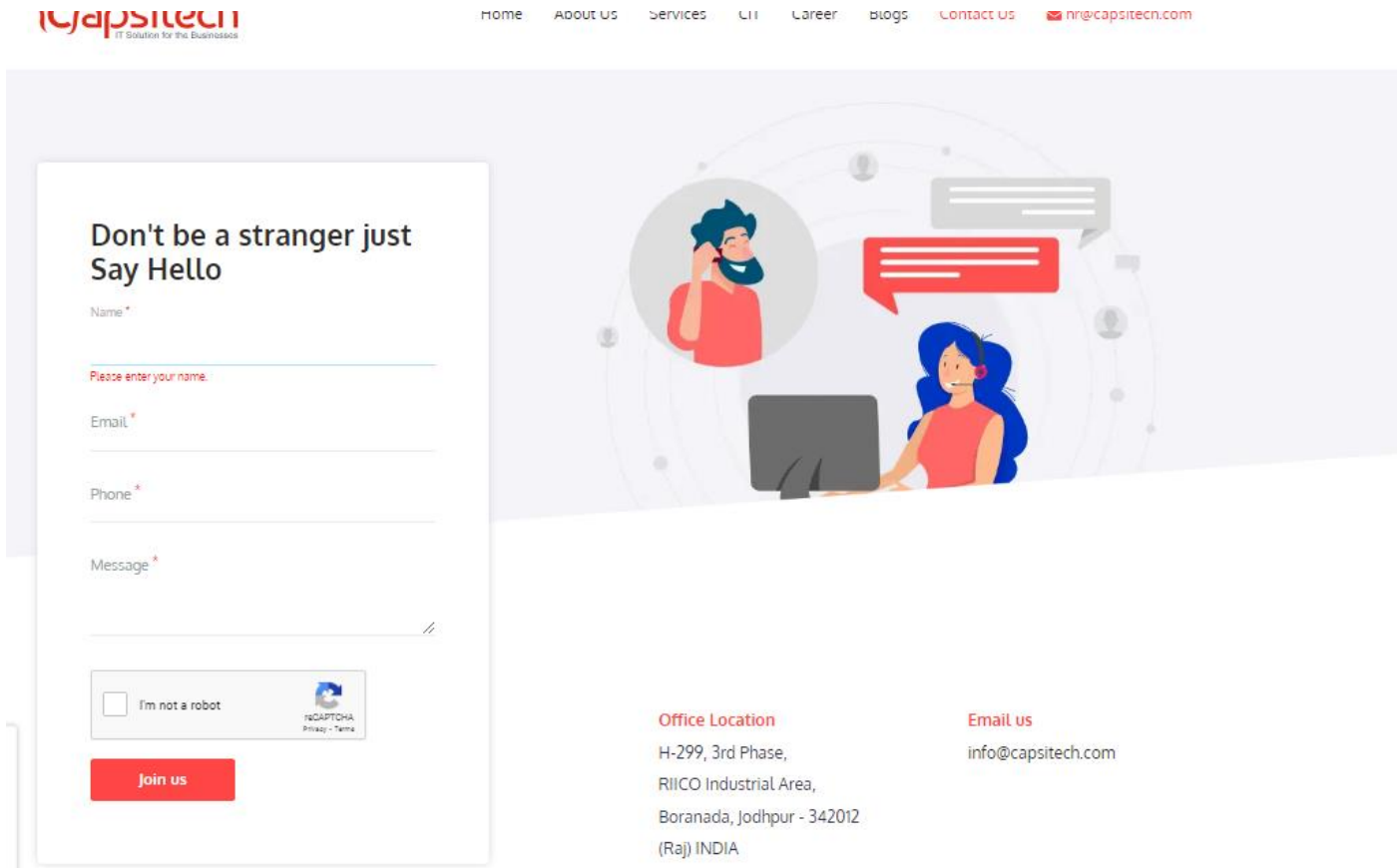
The purpose of this project was twofold:

Website Replication: To replicate the startup company's web services website with a modern, user-centric design and responsive layout using frontend technologies like HTML, CSS, JavaScript, Bootstrap, and jQuery.

Enhancement with Extra Functionalities: To augment the website with additional functionalities, including dynamic elements powered by JavaScript, integration of external APIs (Google Maps and OpenWeatherMap), and the development of a robust backend using PHP and MongoDB.

Objectives

The project sought to achieve the following objectives:



Original Website Image

Develop a visually appealing and responsive web platform that replicates the startup company's services website.

Implement interactive features and dynamic elements to enhance user engagement and satisfaction.

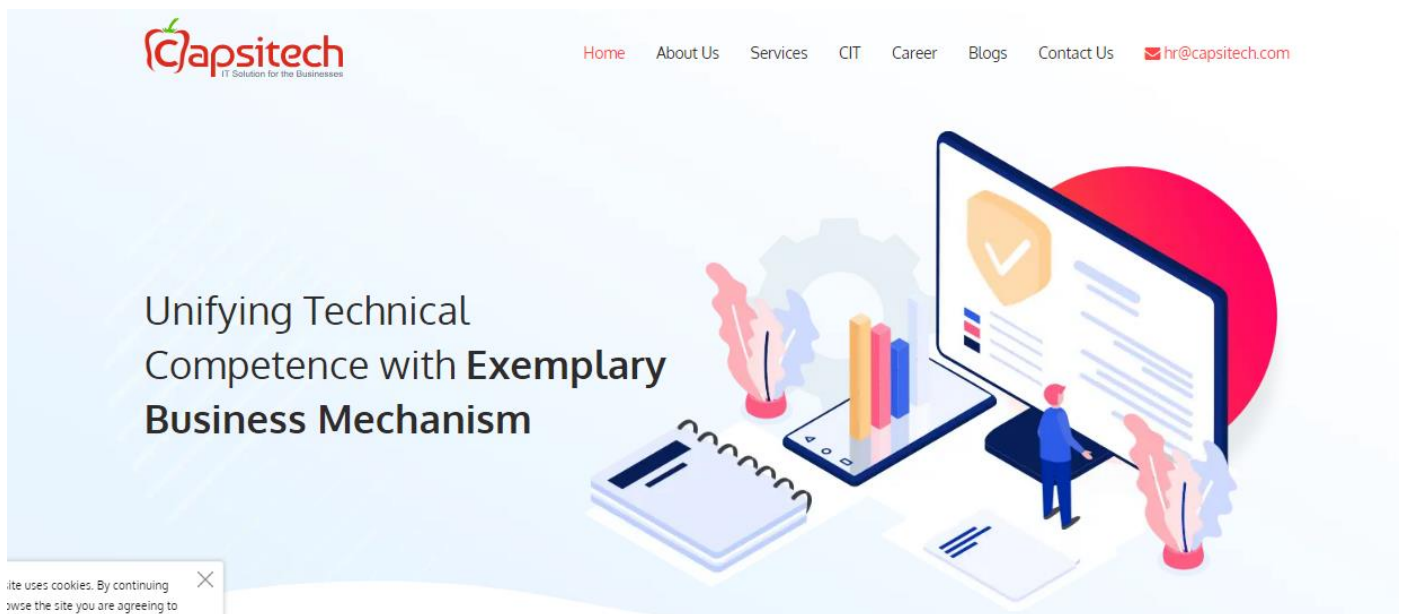
Integrate external APIs to provide location-based services and real-time weather data.

Create a scalable backend infrastructure to handle data processing and user interactions efficiently.

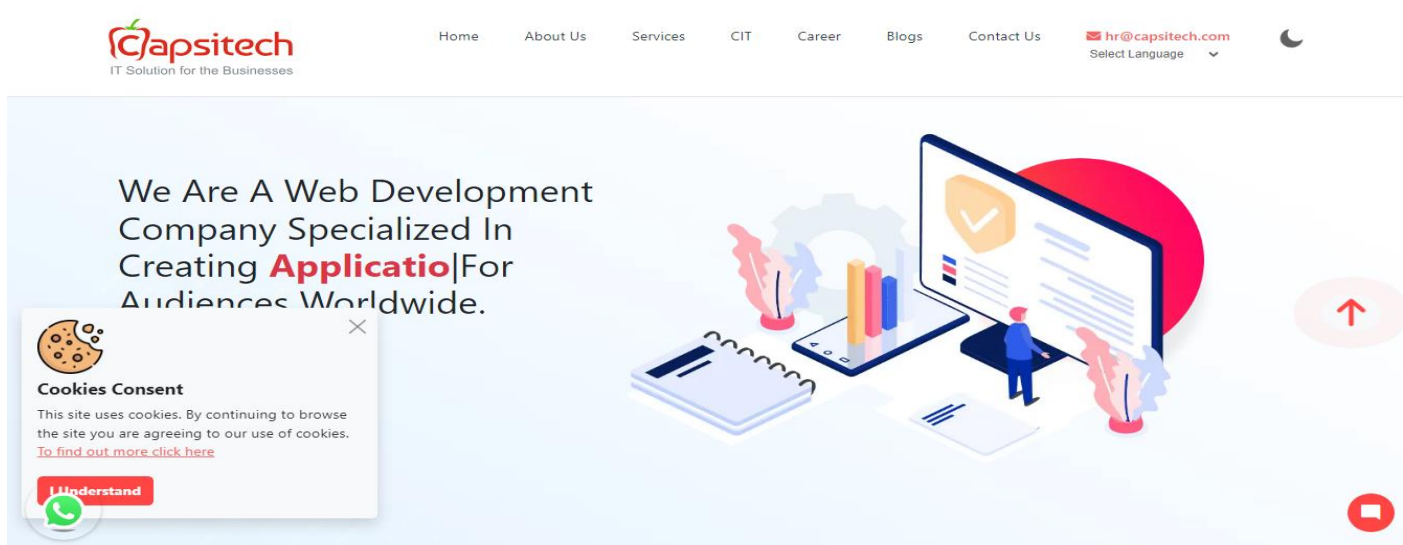
2. Proposed Solution

In response to the challenges faced by startup companies in establishing a robust web presence, our project presents a comprehensive and innovative solution. Our approach revolves around the replication of a successful startup company's web services website while incorporating additional functionalities that enhance user engagement and competitiveness.

Original Website Image



Replica website image



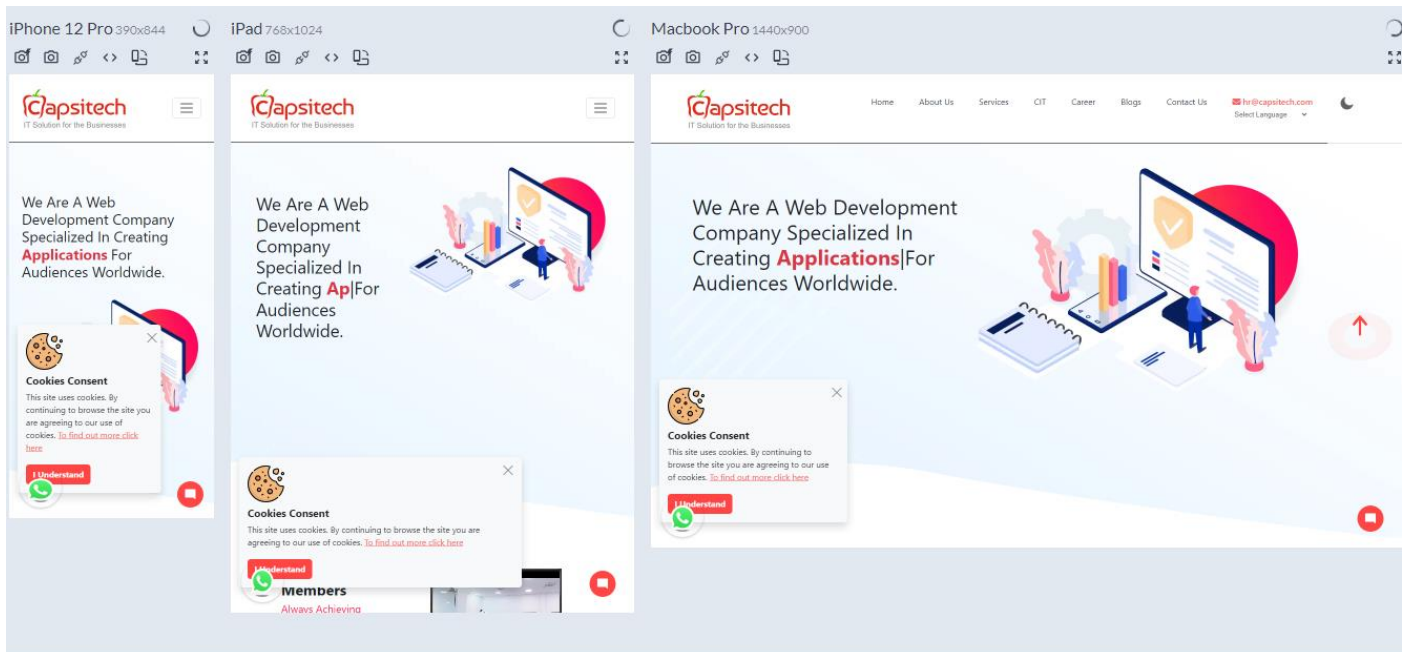
Website Replication

1. Cloning the Core Features

Our proposed solution begins with a meticulous examination of the startup company's existing website. We identify and replicate the core features and design elements that contribute to its success. This includes the layout, navigation, content presentation, and user interface components.

2. Responsive Design

To ensure the website's accessibility and functionality across various devices, we implement responsive design techniques. Leveraging HTML, CSS, and Bootstrap, the website adapts seamlessly to desktops, tablets, and mobile phones, providing an optimal user experience.



Enhanced Functionalities

3. Dynamic User Experience

We utilize JavaScript and jQuery to create a dynamic user experience. Real-time data updates, interactive forms, and animations engage users, making their interaction with the website more immersive and enjoyable.

4. API Integration

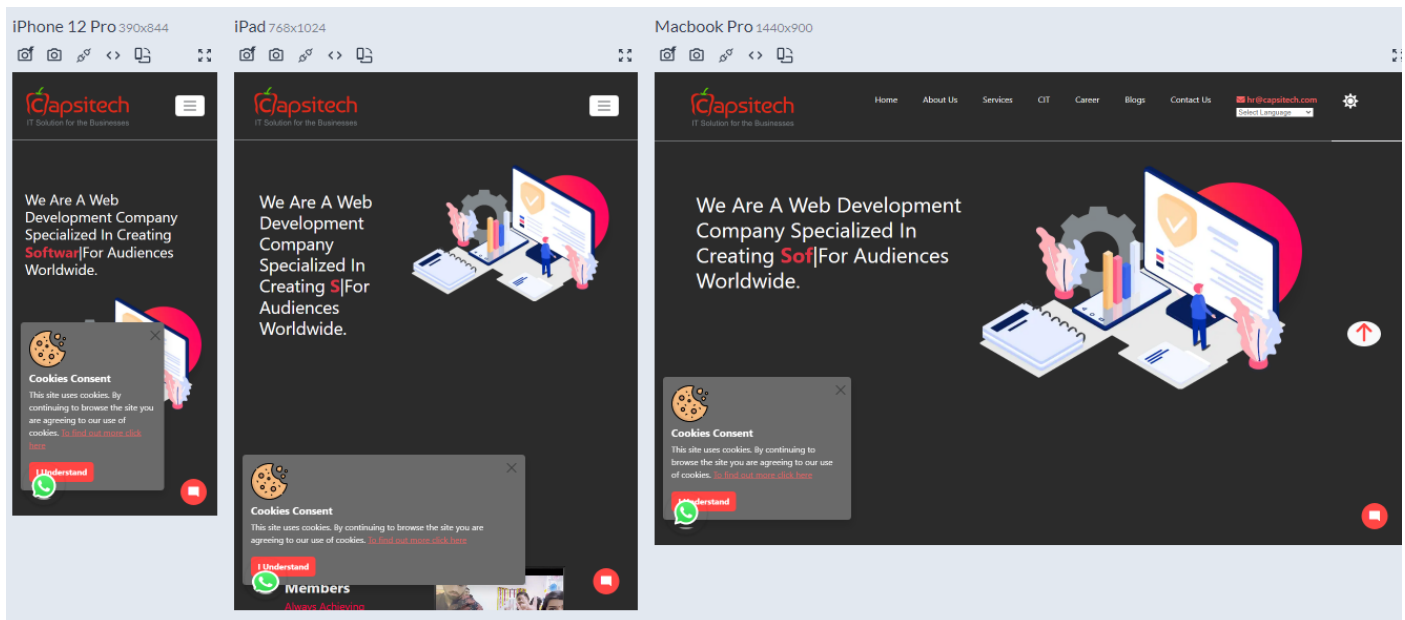
Our solution integrates multiple external APIs to provide enhanced functionalities:

Google Maps API: Users can access location-based services, including mapping, directions, and geolocation features.

OpenWeatherMap API: Real-time weather data and forecasts are displayed, offering valuable information to users.

5. User-Centric Features

We introduce user-centric features designed to meet the expectations of modern web users. These features include user account management, personalized dashboards, and user-generated content contributions.



Backend Infrastructure

6. PHP Backend

To handle server-side logic, database interactions, and API integrations, we develop a robust PHP backend. Leveraging the MVC (Model-View-Controller) pattern, PHP ensures structured, maintainable code.

7. MongoDB Database

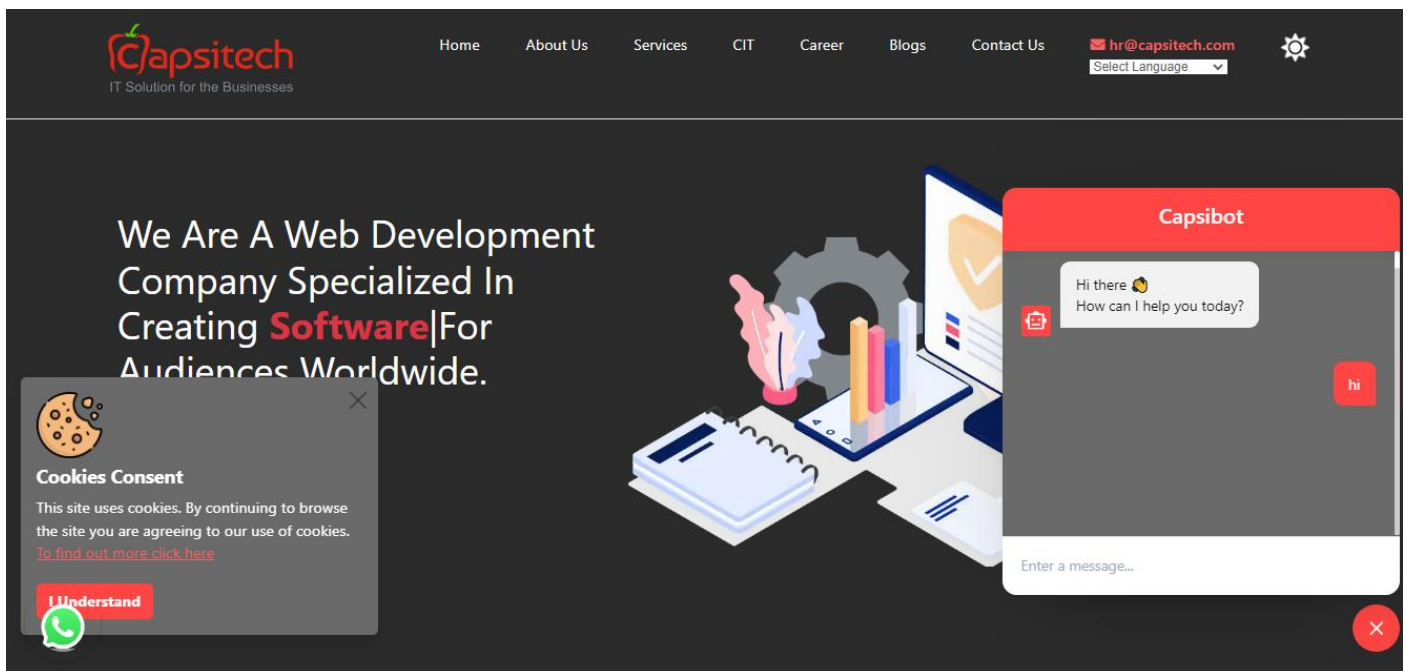
MongoDB, a NoSQL database, serves as our data storage solution. It accommodates the flexible and scalable storage of user data, website content, and interactions.

Cost-Effective Solution

Our proposed solution is cost-effective for startup companies in several ways:

Resource Efficiency: By replicating successful features, we save time and resources compared to building from scratch.

Open-Source Technologies: We prioritize open-source technologies like Bootstrap, jQuery, and PHP to minimize licensing costs.



3. Requirements

3.1 Hardware

- Desktop/Laptop
- Minimum 8GB RAM
- Processor 64-bit
- Solid State Drive 250GB
- Internet Connection



3.2 Software

Frontend Technologies

HTML (HyperText Markup Language): Required for creating the website's structure and content.

CSS (Cascading Style Sheets): Essential for styling and layout of web pages.

JavaScript: Used for dynamic and interactive elements on the website.

Bootstrap: A frontend framework for responsive web design and pre-built UI components.

jQuery: A JavaScript library for simplifying DOM manipulation and event handling.

Integrated Development Environment (IDE): A code editor or IDE like Visual Studio Code, Sublime Text, or JetBrains WebStorm for writing and testing frontend code.

Backend Technologies

PHP (Hypertext Preprocessor): Required for server-side scripting, handling HTTP requests, and managing backend logic.

MongoDB: A NoSQL database for storing and managing data efficiently.

Web Server: Apache or Nginx for serving web content and routing HTTP requests to PHP scripts.

PHP Framework (Optional): A PHP framework like Laravel or CodeIgniter, if desired, for structuring backend code and providing additional features.

APIs and External Services

Google Maps JavaScript API: Used to integrate location-based services and mapping functionalities.

OpenWeatherMap API: Utilized for fetching real-time weather data and forecasts.

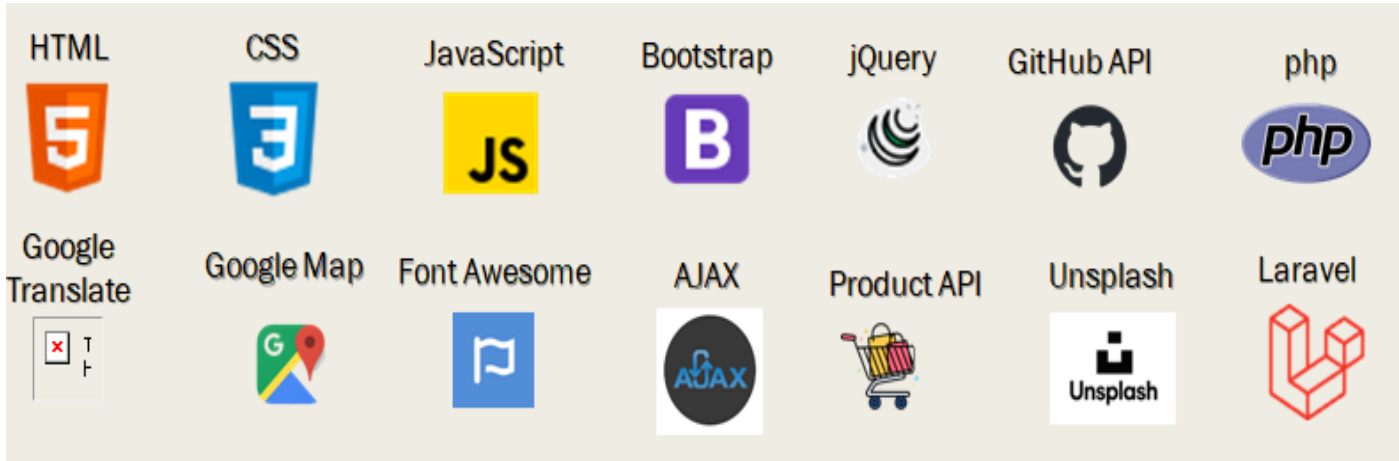
External APIs (if applicable): Any additional APIs relevant to the project's extra functionalities, such as payment gateways or social media integrations.

Version Control

Git: A version control system for collaborative development, code tracking, and project management.

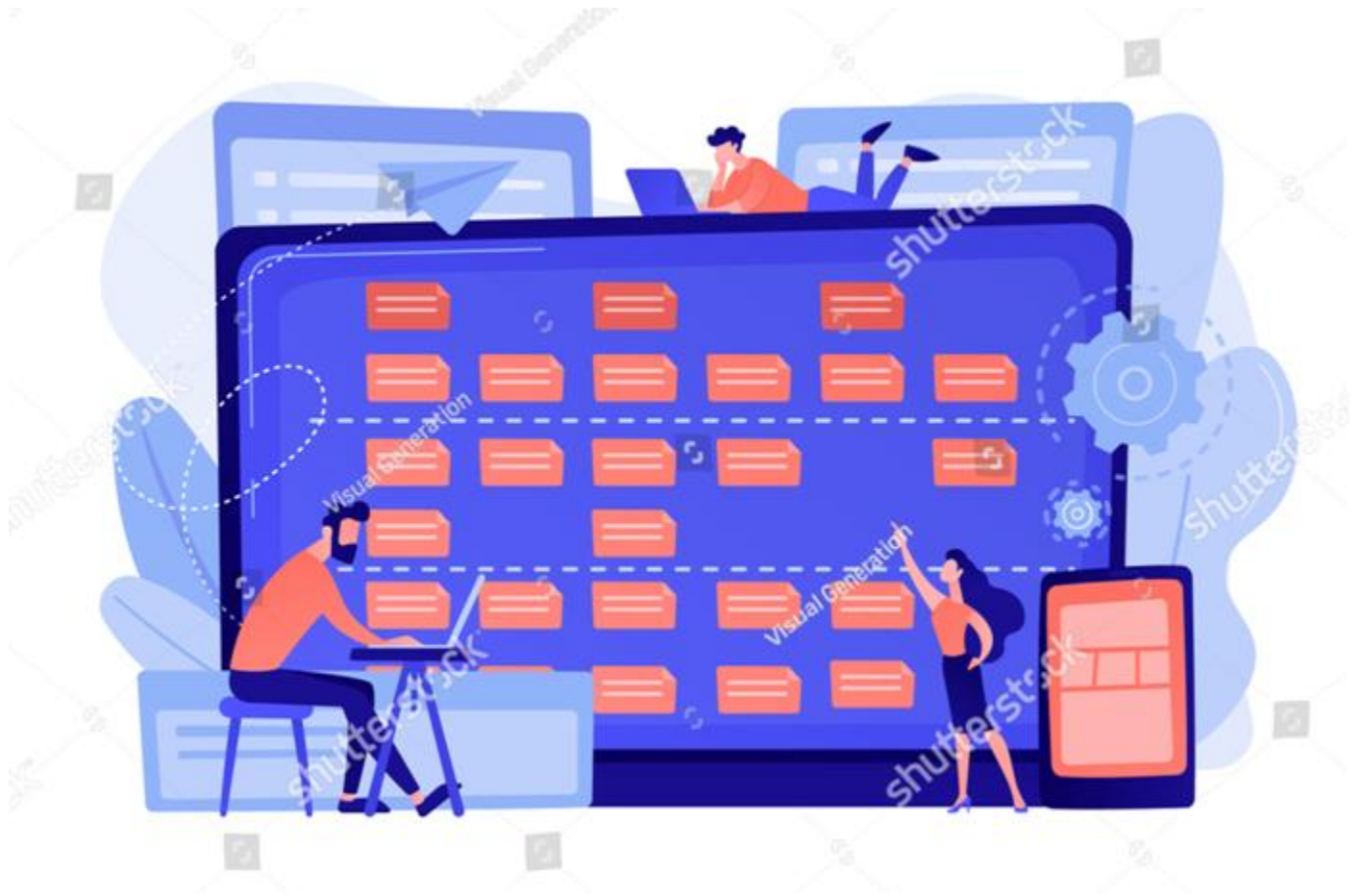
GitHub (or alternative): A platform for hosting and sharing project repositories, facilitating collaboration among team members.

Testing Browsers: Compatibility testing in popular web browsers (Chrome, Firefox, Safari, Edge) to ensure cross-browser functionality.

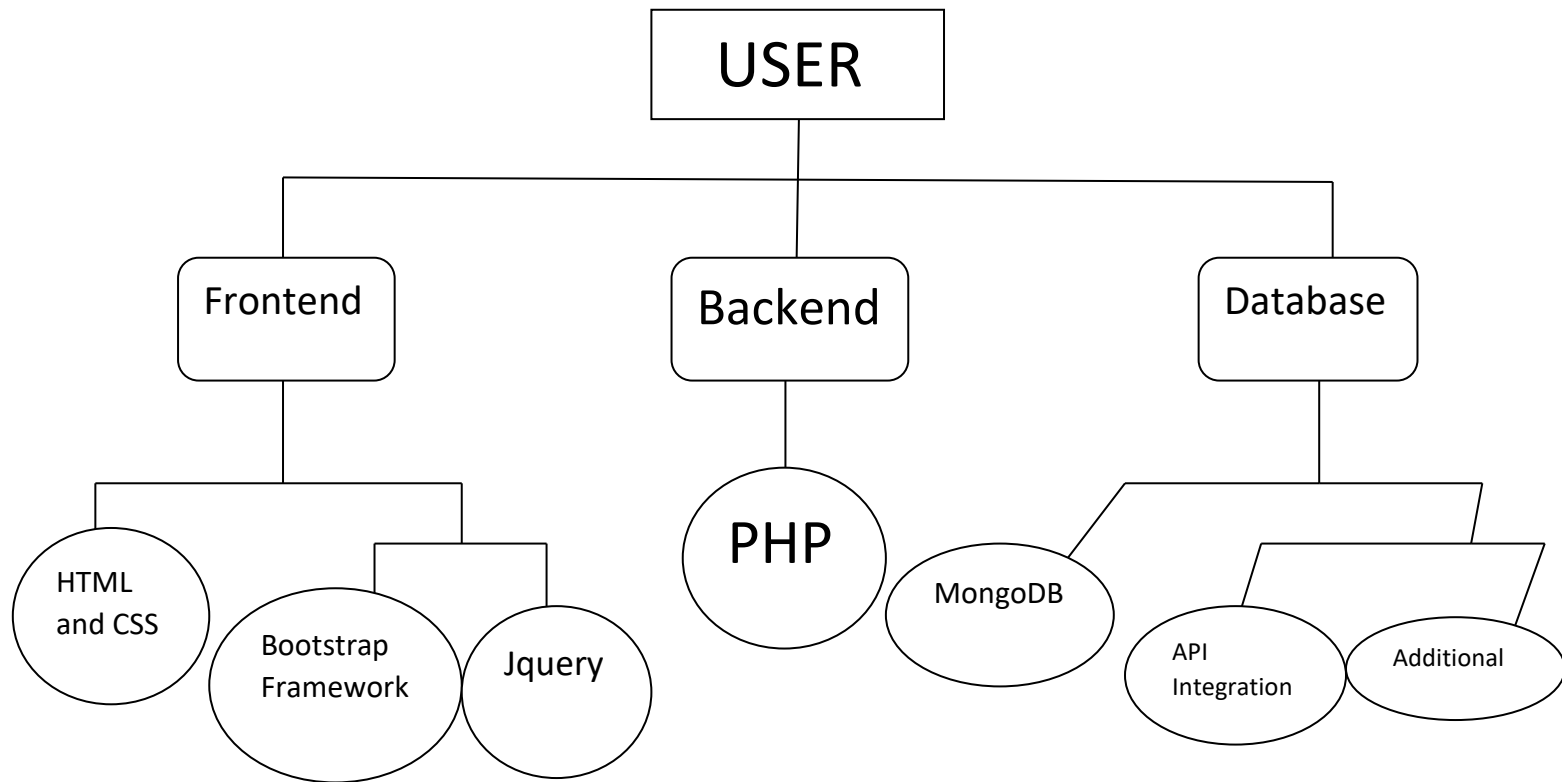


4. User Requirements

- Electronic Device: Mobile, Laptop, Desktop or Tablet
- Email Account
- Access to Internet and Web Browser



5. Design Documentation



| Capsitech Web Services Website |

| Main Menu |

| Home | About Us | Services |

| CIT | Career | Blogs |

| Contact Us |

6. Implementation Details

Frontend Implementation

1. HTML and CSS

Website Structure: The website's structure was created using HTML, with well-organized tags and semantic elements for content.

Styling: CSS was employed to style the website, ensuring a consistent and visually appealing user interface. Custom styles and Bootstrap classes were used to achieve the desired layout and design.

2. JavaScript and jQuery

Dynamic Content: JavaScript and jQuery were used extensively to create dynamic elements and improve user interactions. This included features such as real-time data updates, interactive forms, and user-friendly animations.

API Integration: JavaScript was used to send requests to external APIs (Google Maps and OpenWeatherMap) and handle responses to display location-based services and weather information.

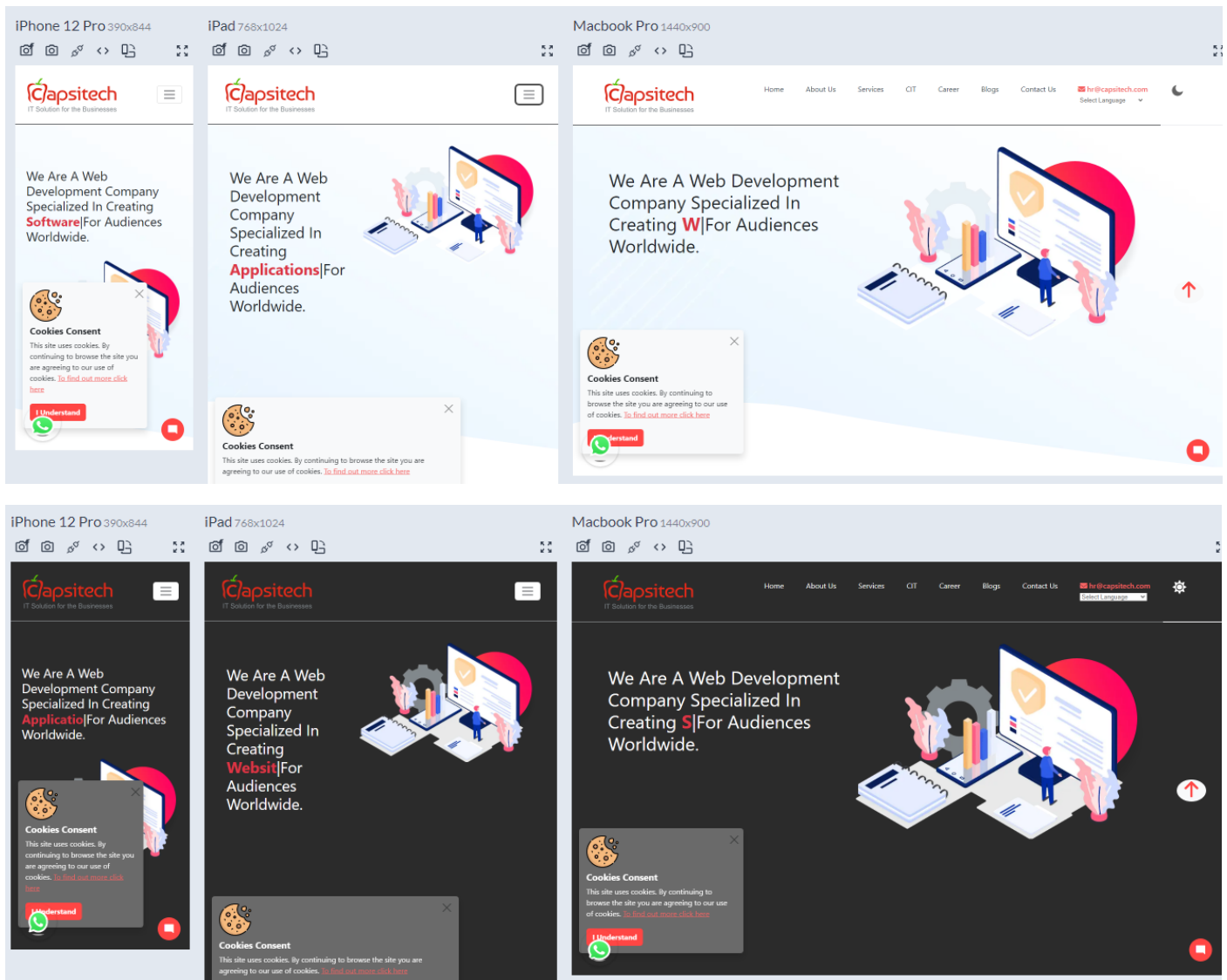
3. Multiple API Integration

Google Maps API: The integration of Google Maps allowed users to access location-based services, including mapping and directions. API keys were managed securely.

4. User Experience (UX) Enhancements

Responsive Design: Bootstrap's responsive grid system was implemented to ensure the website's adaptability to various screen sizes and devices.

UI Components: User interface components, such as navigation menus and interactive widgets, were created and styled for optimal user experience.



Backend Implementation


5. PHP Backend

Server-Side Logic: PHP scripts were developed to handle server-side logic, including user authentication, data processing, and database interactions.

API Endpoints: RESTful API endpoints were defined and implemented for seamless communication between the frontend and backend.

6. MongoDB Integration

Database Configuration: MongoDB was chosen as the NoSQL database for its flexibility. Database connections and configurations were established to store and retrieve data efficiently.



London South Bank University

Capsitech Institute of Technology

Study with us and earn your Degree from LSBU

Apply Now


Full Name*


Email*

Phone Number*

Qualification*

☒ Request a Counselling Session

 I'm not a robot



My Queries

Databases

Search

admin

companydb

capsitech_enquiry

empcollection

config

dbName

deepak

local

practiceDB

products

companydb.caps...

companydb.capsitech_enquiry

Documents

Aggregations

Schema

Explain Plan

Indexes

Validation

Filter

Type a query: { field: 'value' }

Reset

Find

More Options

ADD DATA

EXPORT COLLECTION

1 - 11 of 11

email: ""

phone: ""

qualification: ""

_id: ObjectId('64ff3de5baba9e7f6b0d2c95')

name: "Deepak Gangwani"

email: "deepakgangwani512@gmail.com"

phone: "7414804575"

qualification: "ghghghghgh"

_id: ObjectId('6502954519f986bc6505c5e2')

name: "Bharat"

email: "bharat@gmail.com"

phone: "8367362781"

qualification: "BCOM"

Data Handling: Data from user interactions, such as user accounts and user-generated content, were stored and managed in MongoDB collections.

7. Security Measures

HTTPS: Secure data transmission was ensured by implementing HTTPS protocols to encrypt data exchanged between the client and server.

Input Validation: Stringent input validation and sanitization were employed to protect against SQL injection and other security vulnerabilities.

8. Collaboration and Version Control

Git and GitHub: Git was used for version control, allowing multiple team members to collaborate efficiently. GitHub repositories were utilized to manage project code and track changes.

7. Testing



We Are A Web
Development Company
Specialized In Creating
ApplicatiFor Audiences
Worldwide.



Our Members

Always Achieving The Goal

We work together as a family
that is why we become
global.





General

Significance of effective communication

[Read more](#)



General

5 Quick Tips for a Great Interview

[Read more](#)



General

Coronavirus: Risks vs. Opportunities

[Read more](#)



General

Career Options for an IT Professional

[Read more](#)

Let's talk

Let's build something awesome together!

[Contact us](#)



We are a web development company specialized in creating websites, applications and software for audiences worldwide.



Company

- [Home](#)
- [About Us](#)
- [Services](#)
- [Career](#)
- [Blogs](#)
- [Contact Us](#)

Our Services

- [Product Management](#)
- [Project Management](#)
- [Accounting Solutions](#)
- [IT Training](#)
- [Human Resource Outsourcing](#)

Contact Information

H-299, 3rd Phase, RIICO Industrial Area, Boranada, Jodhpur - 342012 (Raj) INDIA

or email us on

hr@capsitech.com

ENHANCED BY Google



Envisioning the Future

The working methodologies and conceptualization of ideologies at Capsitech IT Services are premised upon the effectual implementation of business strategies and protocols to ensure a leap in the trajectory of progress.



Cookies Consent

This site uses cookies. By continuing to browse the site you are agreeing to our use of cookies. [To find out more click here](#)

[I Understand](#)



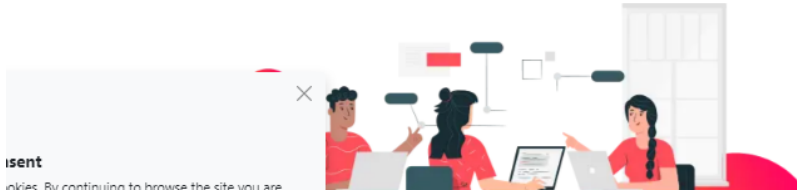
Technical Proficiency



We Provide Services Like:- Web Services || Product Management || Project Management || Accounting Solutions || IT Training || Human Resource Outsourcing.

Comprehensive Services

We, at Capsitech, stand here not only to invest in innovative entrepreneurs' ideas but we strive to provide support to the growing businesses with our effective and technologically-advanced platforms and the business mechanisms that benefits their business requirements.



Product Management

We aspire to comprehend the business requirements across multiple business sectors and then work towards developing a comprehensive solution that could be

Your First Step towards Success


[Click To Inquire](#)

Study at Capsitech Institute of Technology (CIT)


Our Campus

We welcome you to come see our state of the art campus built to serve the training requirements in mind. Our premises facilitate learning and practical training of our candidates.





IT Solution for the Businesses



Capsitech Institute of Technology

Study with us and earn your Degree from LSBU

Apply Now

Full Name*

Email*

Username is empty!
Phone Number*


Email address is empty!
Qualification*

Please enter your phone number!
☐ Request a Counselling Session


Must agree with our terms!
☐ I'm not a robot

This field is required.

Submit



IT Solution for the Businesses



Capsitech Institute of Technology

Study with us and earn your Degree from LSBU

Apply Now

Full Name*

Email*

Phone Number*

Qualification*

☒ Request a Counselling Session

☒ I'm not a robot

companydb.caps...

My Queries

Databases

Search

admin

companydb

capsitech_enquiry

empcollection

config

dbName

deepak

local

practiceDB

products

companydb.capsitech_enquiry

10

1

DOCUMENTS

INDEXES

Documents

Aggregations

Schema

Explain Plan

Indexes

Validation

Filter

Type a query: { field: 'value' }

Reset

Find

More Options

ADD DATA

EXPORT COLLECTION

1 - 11 of 11

email: ""

phone: ""

qualification: ""

_id: ObjectId('64ff3de5baba9e7f6b0d2c95')

name: "Deepak Gangwani"

email: "deepakgangwan1512@gmail.com"

phone: "7414804575"

qualification: "ghghghghgh"

_id: ObjectId('6502954519f986bc6505c5e2')

name: "Bharat"

email: "bharat@gmail.com"

phone: "8367362781"

qualification: "BCOM"

Let's work together

We welcome young talents with creative minds and willingness to work towards shaping their careers.

Join Us

Why choose Capsitech?

ary Work Ambience

Unreserved Work Culture

Visionary Team

Work with us

Thank you for your interest in Capsitech For the first stage of the application, we would just like to know a little more about your experience. Please, could you provide brief answers on the following questions?

Select your position*

The position field cannot be empty!

Username *

Username is empty!

Email*

Email address is empty!

Phone Number*

Your phone number is not valid!

Qualification*

B.Com X B.Com X B.Com X

The qualification field cannot be empty!

Experience*

The experience field cannot be empty!

Current yearly CTC*

The current CTC field cannot be empty!

Expected yearly CTC*

The expected CTC field cannot be empty!

Some words about yourself*

Message box is empty!

Upload resume*

Choose File No file chosen

There should be atleast one file for resume!

☐ I'm not a robot

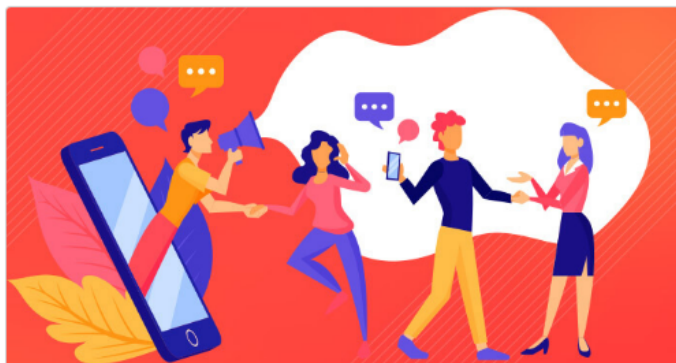
This field is required.

Send Now

Blogs

We strive to create and publish articles that are educational and updates the readers about the latest trends in the industry. Follow us for insightful content.

Latest Blog



Significance of effective communication

There is no denying the fact that effective communication is the key to ensure the impactful impression you...

Recent Blogs



Significance of effective communication

May 18, 2020



5 Quick Tips for a Great Interview

May 18, 2020



Coronavirus: Risks vs. Opportunities

April 21, 2020



Career Options for an IT Professional

Significance of effective communication

Capsitech | May 18, 2020



There is no denying the fact that effective communication is the key to ensure the impactful impression you as an individual can have on others and hence, this is one such skill that everyone should possess. There are several misconceptions about the concept of communication and we should clearly understand them in order to enhance our skills.

Getting involved in a conversation

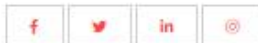
Usually, it is perceived that having the right communication is denoted by the ability to speak incessantly in order to display the confidence, this is the

The aforementioned points can be followed and practiced, it may take some time but we should understand that miracles don't happen in a day. All we need to ensure is that we continue learning and practicing and very soon, the difference will be noticeable and every communication we have will be impactful.

Capsitech | May 18, 2020

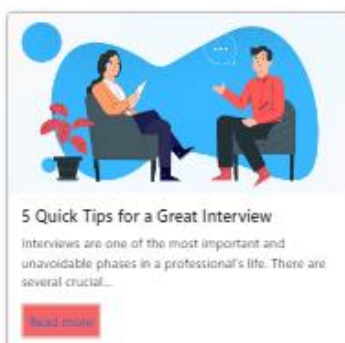
General

Share Post



Note: Please note that the content of the above blog and the aforementioned information are solely for the purpose of awareness and are informative in nature. The content is designed with intent to ease the understanding while preserving the essence and importance of the compliance rules and shall not be considered as an ultimate replication of the rules. Capsitech does not own any responsibility whatsoever for any unpleasant event that may arise due to the misinterpretation of a specific part or whole of the information.

You may also like



Don't be a stranger just Say Hello

Name*

Username is empty!

Email*

Email address is empty!

Phone Number*

Please enter your phone number!

Message*

Message box is empty!

☐

I'm not a robot



Privacy - Terms

This field is required.

Submit



Office Location

H-299, 3rd Phase, RIICO Industrial Area,
Boranada, Jodhpur - 342012 (Raj) INDIA

Email us

✉ info@capsitech.com



Let's talk

**Let's build something
awesome together!**

Contact us



We are a web development

Company

■ Home

Our Services

■ Product Management

Contact Information

H-299, 3rd Phase, RIICO Industrial Area,

8. Deployment

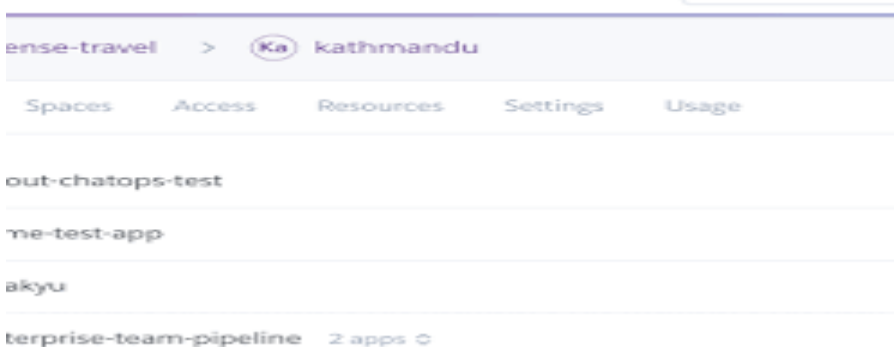
Deployment Link:- <https://vjai2324.github.io/StartupCompanyWebsite.github.io/>

1. Create a Heroku account and install the Heroku CLI.

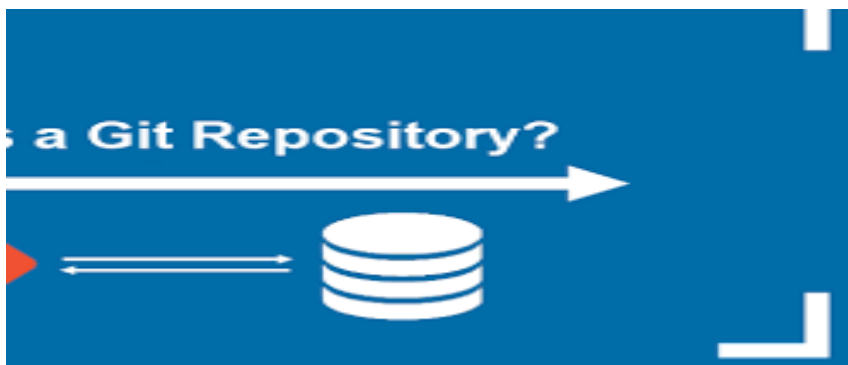
```
CLI to interact with Heroku
VERSION
heroku/7.22.7 win32-x64 node-v11.10.1
NAME
$ heroku [COMMAND]
COMMANDS
access      manage user access to apps
addons      tools and services for developing, extending, and operating your app
apps        manage apps on Heroku
auth        check file status
authorizations  OAuth authorizations
autocomplete  display autocomplete installation instructions
buildpacks  heroku used to compile apps
certs       a tool for the ssl plugin
ci           run an application test suite on Heroku
clients     OAuth clients on the platform
config      environment variables of apps
containers  Use containers to build and deploy Heroku apps
domains     custom domains for apps
drains      Forward logs to syslog or HTTPS
features    add/remove app features
git          manage local git repository for app
help        display help for heroku
keys        add/remove account ssh keys
labs        add/remove experimental features
local       run heroku app locally
logs        display recent log output
maintenance enable/disable access to app
members     manage organization members
notifications  display notifications
orgs        manage organizations
pg          manage postgresql databases
```



2. Create a new Heroku app.



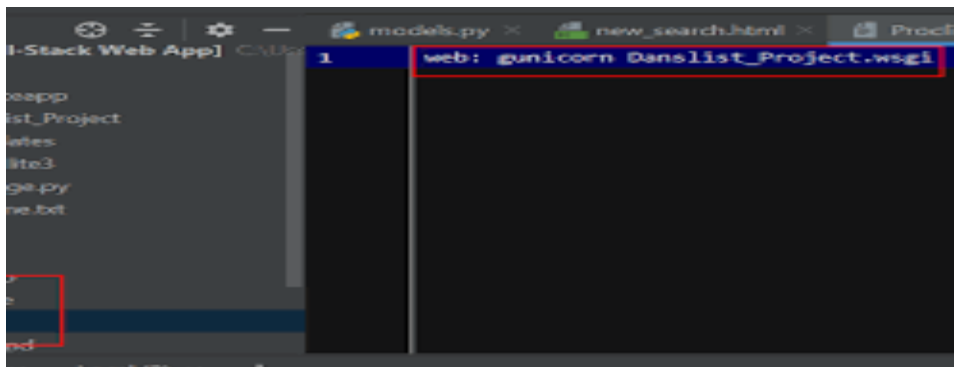
3. Set up your project's codebase in a Git repository.



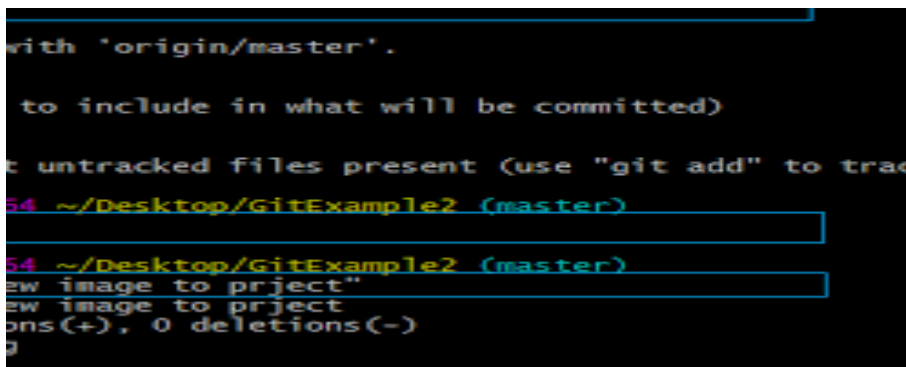
4. Add a Heroku Git remote to your project.



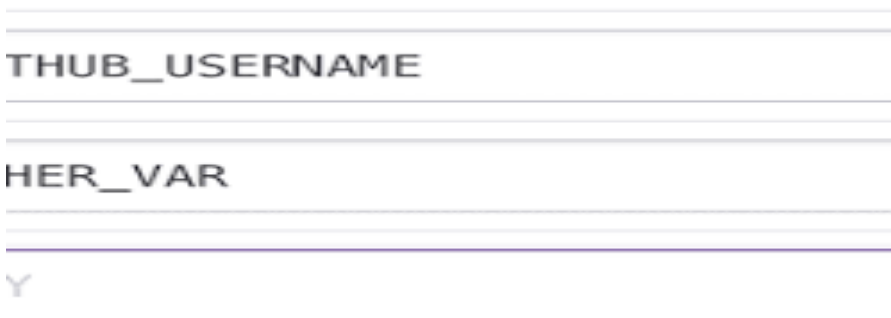
5. Create a Procfile that specifies the commands that Heroku should run to start your app.



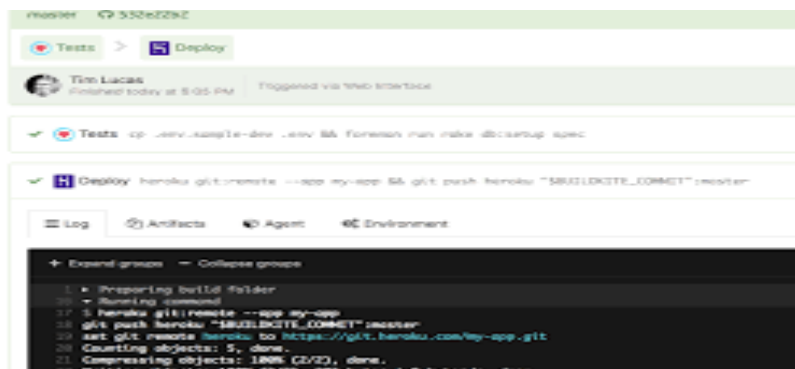
6. Push your code to Heroku.



7. Configure your app's environment variables.



8. Deploy your app to Heroku.



9. Test your app.



Once your app is deployed, you can access it by visiting the URL that Heroku provides.

Here are some additional tips for deploying your app to Heroku:

- Make sure that your code is well-formatted and linted.
- Use a continuous integration and deployment (CI/CD) tool to automate the deployment process.
- Test your app thoroughly before deploying it to production.

9. Future Scope

1. Enhanced Security Measures

Continuously monitor and strengthen the security of the website and user data. Implement features like two-factor authentication (2FA) for user accounts, regular security audits, and intrusion detection systems to protect against potential threats.

2. Content Management System (CMS)

Develop a custom content management system (CMS) to allow non-technical users to easily update and manage website content. A user-friendly CMS can simplify content publishing and maintenance.

3. Integration with Additional APIs

Explore the integration of new APIs that can enhance the website's functionality. Depending on the startup's niche, this could include social media integration, payment gateways, or third-party services relevant to the industry.

4. Performance Optimization

Continuously optimize website performance by minimizing load times and optimizing server resources. Implement caching strategies, content delivery networks (CDNs), and code minification to ensure fast and efficient user experiences.

5. Community and User Engagement

Build a community around the website by incorporating features such as user forums, comments sections, or user-generated content. Engaging users can foster brand loyalty and encourage user contributions.

6. Scaling Infrastructure

Prepare for scalability by considering load balancing, horizontal scaling, and cloud hosting options. As the user base grows, a scalable infrastructure will ensure uninterrupted service.

10. Conclusion

In the ever-evolving landscape of web development, our project to replicate a startup company's web services website and enhance it with additional functionalities has been a journey of exploration, learning, and innovation. Through the integration of a variety of technologies, we have achieved significant milestones, and this conclusion serves to recapitulate the key aspects and outcomes of our project.

Achievements and Milestones

Website Replication: We successfully replicated the core features and design of the startup company's web services website using HTML, CSS, and Bootstrap. This allowed us to create a visually appealing and user-friendly interface.

Enhanced User Experience: Leveraging JavaScript and jQuery, we introduced dynamic and interactive elements to the website, elevating the overall user experience. Features such as real-time data updates and seamless navigation were implemented to engage and retain users.

Integration of Multiple APIs: The integration of external APIs, such as the Google Maps JavaScript API and the OpenWeatherMap API, brought added functionality to the website. Users can now access location-based services and real-time weather information, enhancing the website's utility.

Robust Backend with PHP: We developed a robust backend using PHP, enabling data processing, user authentication, and database management. This backend infrastructure ensures data security and efficient data retrieval.

Data Storage with MongoDB: MongoDB, a NoSQL database, was chosen for its flexibility and scalability. It allowed us to store and manage data efficiently, ensuring seamless retrieval of information for our users.

Scalability and Performance: Our project's architecture has been designed with scalability in mind. As the startup company's user base grows, our website can easily accommodate increased traffic and data without sacrificing performance.

11. Appendix

HTML code for creating the website

```
EXPLORER  ...  index.html x  header.html  footer.html  chatbot.html  rapidchatbot.html  blogs.html  about.html  career.html  Autotypingeffect.html  ...

TAILWIND CSS
> .vscode
> dark theme icon
> images
> vendor
> about.html
> blogs.html
> career-option-it.html
> career.html
> cit.html
> citform.php
() composer.json
() composer.lock
> contact.html
> cookie-policy.html
> coronavirus-risk.html
> current-trend-it.html
> effective_communicat...
> footer.html
> general.html
> header.html
> ideation-to-implemen...
> importance-of-crm.ht...
> index.html
> it-training.html
> marquee.html
() new.json
> product-management...
> project-management...
> quick-tips-for-great-i...

1  <!DOCTYPE html>
2  <html>
3
4  <head>
5      <meta charset="UTF-8">
6      <meta http-equiv="X-UA-Compatible" content="IE=edge">
7      <meta name="viewport" content="width=device-width, initial-scale=1.0">
8      <link rel="shortcut icon" type="x-icon" href="images/cap.png">
9      <title>IT Company in Jodhpur India | Software Development Company in Jodhpur</title>
10     <!-- Google Fonts Link For Icons -->
11     <link rel="stylesheet"
12         href="https://fonts.googleapis.com/css2?family=Material+Symbols+Outlined:opsz,wght,FILL,GRAD@48,400,0,0">
13     <link rel="stylesheet"
14         href="https://fonts.googleapis.com/css2?family=Material+Symbols+Rounded:opsz,wght,FILL,GRAD@48,400,0,0">
15     <!-- <link href="/dist/output.css" rel="stylesheet"> -->
16     <link rel="stylesheet" href="style.css">
17
18     <!-- <script src="https://cdn.tailwindcss.com"></script> -->
19     <link href="https://unpkg.com/tailwindcss@^1.0/dist/tailwind.min.css" rel="stylesheet">
20     <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha3/dist/css/bootstrap.min.css" rel="stylesheet"
21         integrity="sha384-KK94CHFLLe+nY2dmCWGMq91rCGa5gtU4mk92HdvYe+M/SXH301p5ILy+dN9+nJ0Z" crossorigin="anonymous">
22
23 </head>
24
```

```
TAILWIND CSS
> .vscode
> dark theme icon
> images
> vendor
> about.html
> blogs.html
> career-option-it.html
> career.html
> cit.html
> citform.php
() composer.json
() composer.lock
> contact.html
> cookie-policy.html
> coronavirus-risk.html
> current-trend-it.html
> effective_communicat...
> footer.html
> general.html
> header.html
> ideation-to-implemen...
> importance-of-crm.ht...
> index.html
> it-training.html
> marquee.html
() new.json
> product-management...
> project-management...
> quick-tips-for-great-i...
> scripts.js
> services.html
> style.css
> tailwind.config.js
> vanilla-tilt.js

22 </head>
23
24 <body class="light-mode">
25
26     <!-- whatsapp chat icon for contact -->
27     <div class="chat-icon">
28         <a href="https://wa.me/7414804515" target="_blank">
29             
30         </a>
31     </div>
32
33
34     <!-- Chatbot Code Part -->
35     <button class="chatbot-toggler">
36         <span class="material-symbols-rounded">mode_comment</span>
37         <span class="material-symbols-outlined">close</span>
38     </button>
39     <div class="chatbot chatbot-dark">...
40 </div>
41
42     <!-- Adding preloader for loading the file -->
43     <div id="preloader" class="loader">
44         
45     </div>
46
47     <!-- code to back to top button -->
48     <div id="back-to-top" class="position-fixed top-50 end-0 translate-middle-y m-5">
49         <a class="step btn btn-light btn-lg rounded-circle" href="#" role="button"><abbr title="Back To Top"><i
50             class="fa-solid fa-arrow-up fa-bounce fa-2x1" style="color: #ff4644;"></i></abbr></a>
51     </div>
52
53     <!-- Code for setting cookies on the webpage -->
54     <div id="cookies" style="display: none;">...
55 </div>
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
```

```

> vendor 211
> about.html 212
> blog.html 213
> career-option-it.html 214
> career.html 215
> cit.html 216
> citform.php 217
> composer.json 218
> composer.lock 219
> contact.html 220
> cookie-policy.html 221
> coronavirus-risk.html 222
> current-trend-it.html 223
> effective-communicat... 224
> footer.html 225
> general.html 226
> header.html 227
> ideation-to-implemen... 228
> importance-of-comb... 229
> index.html 230
> it-training.html 231
> marquee.html 232
> navbar 233
> product-management... 234
> project-management... 235
> quick-tips-for-grab-i... 236
> script.js 237
> services.html 238
> style.css 239
> tailwind.config.js 240
> vanilla-tail.js 241
242
243
244
245
246
247
</div>
<div class="offcanvas-body image-dark">
  <ul class="d-flex w-100 justify-content-around mt-3 ms-5 dark-text" style="list-style: none;">
    <li class="nav-item"><a
      class="text-decoration-none text-gray-800 hover:text-red-500 active:text-red-500"
      href="index.html" target="" rel="noopener noreferrer">Home</a></li>
    <li class="nav-item"><a
      class="text-decoration-none text-gray-800 hover:text-red-500 active:text-red-500"
      href="about.html" target="" rel="noopener noreferrer">About Us</a></li>
    <li class="nav-item"><a
      class="text-decoration-none text-gray-800 hover:text-red-500 active:text-red-500"
      href="services.html" target="" rel="noopener noreferrer">Services</a></li>
    <li class="nav-item"><a
      class="text-decoration-none text-gray-800 hover:text-red-500 active:text-red-500"
      href="cit.html" target="" rel="noopener noreferrer">CIT</a></li>
    <li class="nav-item"><a
      class="text-decoration-none text-gray-800 hover:text-red-500 active:text-red-500"
      href="career.html" target="" rel="noopener noreferrer">Career</a></li>
    <li class="nav-item"><a
      class="text-decoration-none text-gray-800 hover:text-red-500 active:text-red-500"
      href="blogs.html" target="" rel="noopener noreferrer">Blogs</a></li>
    <li class="nav-item"><a
      class="text-decoration-none text-gray-800 hover:text-red-500 active:text-red-500"
      href="contact.html" target="" rel="noopener noreferrer">Contact Us</a></li>
    <li><a class="text-decoration-none text-red-500 font-semibold"
      href="mailto:hr@capsitech.com" target="" rel="noopener noreferrer"><i>
        class="fa-solid fa-envelope me-1"></i>hr@capsitech.com</a>
      <div id="google_translate_element"></div>
    </li>
    <li>
      <button class="text-gray-800" id="change-theme"></button>
    </li>
  </ul>

```

JS code for user experience

```

<!-- Creating A Cookies Using Dark Mode Toggle And Local Storage -->
<script>
  let change = document.querySelector("#change-theme");
  let body = document.querySelector("body");
  let darkicon = document.querySelector(".dark-icon");
  let cookieBox = document.querySelector("#cookies");

  let acceptBtn = document.getElementById("cookies-btn");

  // Check if cookies are accepted
  let cookiesAccepted = localStorage.getItem("cookiesAccepted");

  if (cookiesAccepted) {
    cookieBox.style.display = "none";
    // Check for theme preference in localStorage
    const themePreference = localStorage.getItem("themePreference");
    if (themePreference == "dark-mode") {
      document.body.classList.add(themePreference);
      darkicon.src = "images/sun.png";
      // document
      // cookieBox.classList.add(themePreference);
    } else {
      document.body.classList.add(themePreference);
      darkicon.src = "images/moon.png";
    }
  } else {
    cookieBox.style.display = "block";
  }
}

```

```

    cookieBox.style.display = "block";
  }

  change.addEventListener("click", () => {
    if (body.getAttribute("class") == "light-mode") {

      changeClass("light-mode", "dark-mode");
      // document.querySelector('.loader').removeAttribute('id');
      // document.querySelector('.loader').setAttribute('id',"preloader-dark");
      localStorage.setItem("themePreference", "dark-mode");
      darkicon.src = "images/sun.png";

    } else {

      changeClass("dark-mode", "light-mode");
      // document.querySelector('.loader').removeAttribute('id');
      // document.querySelector('.loader').setAttribute('id',"preloader");
      localStorage.setItem("themePreference", "light-mode");
      darkicon.src = "images/moon.png";

    }
  });

  acceptBtn.addEventListener("click", function () {
    localStorage.setItem("cookiesAccepted", "true");
    cookieBox.style.display = "none";
  });
</script>

<!-- Typed Js For Auto Type Effect using cdn -->
<script src="https://unpkg.com/typed.js@2.0.16/dist/typed.umd.js"></script>

```

The screenshot shows a web browser with a project management application. The application has a dark theme and a sidebar with a list of projects. A modal for the cookie policy is displayed in the foreground. The modal has a title "Cookie Policy" and a text area containing the following text:

```

1 // Implementation of onscroll browser object model function for social icon
2 //Get the button back to top button
3 let mybutton = document.getElementById("fixedShareDiv");
4
5 let mybutton2 = document.getElementById("back-to-top");
6
7
8 // When the user scrolls down 20px from the top of the document, show the button
9 window.onscroll = function () {
10   // console.log("Scrolled")
11   scrollFunction();
12   scrollFunction2();
13 };
14
15 function scrollFunction() {
16   if (document.documentElement.scrollTop > 1350) {
17     mybutton.style.display = "none";
18   }
19   else {
20     mybutton.style.display = "block";
21   }
22 }
23
24 function scrollFunction2() {
25   if (document.documentElement.scrollTop < 250) {
26     mybutton2.style.display = "none";
27   }
28   else {
29     mybutton2.style.display = "block";
30   }
31 }
32
33
34 // Code for setting cookies
35 // const setCookie = (cName, cValue, expDays) => {
36 //   let date = new Date();

```

Css code for styling purpose to make the website attractive

```

464
465 /* Track */
466 ::-webkit-scrollbar-track {
467     background: #f1f1f1;
468 }
469
470 /* Handle */
471 ::-webkit-scrollbar-thumb {
472     background: #ff4644;
473 }
474
475 /* Handle on hover */
476 ::-webkit-scrollbar-thumb:hover {
477     background: #ff4670;
478 }
479
480 /*Customizing Google search bar color */
481 .gsc-search-button-v2 {
482     /* border: #ff4644; */
483     background-color: #ff4644 !important;
484 }
485
486 /* google api language css so that we can remove text of google */
487 #google_translate_element {
488     height: 26px !important;
489     overflow: hidden !important;
490 }
491
492
493 /* Adding dark mode using CSS */
494
495 .dark-icon {
496     width: 30px;
497 }
498

```

PHP code to connect with database

Run command to connect website with mongodb:- `composer require mongodb/mongodb`

```

185
186
187
188
189
190
191
192
193
194
195
196
197
198
<div class="text-start px-3">
  <h1 class="modal-title fs-4 text-danger mb-3" id="staticBackdropLabel">Capsitech
    Institute of
    Technology</h1>
  <h1 class="fs-1 fw-bold">Study with us and earn your Degree from LSBU</h1>
</div>
<button type="button" class="position-absolute top-0 end-0 m-2 btn-close"
  data-bs-dismiss="modal" aria-label="Close"></button>
</div>
<div class="modal-body">
  <form onsubmit="return submitUserForm();" action="citform.php" method="POST">
    <div class="row text-start">
      <h5 class="text-danger fw-bold mb-4">Apply Now</h5>
      <!-- Display success and error messages -->

```

```

3 // Include the MongoDB PHP library
4 require 'vendor/autoload.php';
5
6 // Connect to MongoDB (assuming it's running locally on default port)
7 $client = new MongoClient("mongodb://localhost:27017");
8
9 // Select the database and collection
10 $database = $client->selectDatabase("companydb");
11 $collection = $database->selectCollection("capsitech_enquiry");
12
13 // Get data from the form
14 $name = $_POST['name'];
15 $email = $_POST['email'];
16 $phone = $_POST['phone'];
17 $quali = $_POST['qualification'];
18
19
20 // Create a document to insert into MongoDB
21 $document = [
22     'name' => $name,
23     'email' => $email,
24     'phone' => $phone,
25     'qualification' => $quali,
26     // Add more fields as needed
27 ];
28
29 // Insert the document into the collection
30 $result = $collection->insertOne($document);
31
32 if ($result->getInsertedCount() > 0) {
33     echo "window.alert('Data inserted successfully.')";
34 } else {
35     echo "window.alert('Something Went Wrong With DATA')";
36 }
37
38
39

```

companydb.caps...

My Queries

Databases

Search

admin

companydb

capsitech_enquiry

empcollection

config

dbName

deepak

local

practiceDB

products

companydb.capsitech_enquiry

101DOCUMENTSINDEXES

DocumentsAggregationsSchemaExplain PlanIndexesValidation

FilterType a query: { field: 'value' }ResetFindMore Options

ADD DATAEXPORT COLLECTION1 - 11 of 11

email: ""
phone: ""
qualification: ""

_id: ObjectId('64ff3de5baba0e7f6b0d2c95')

name: "Deepak Gangwani"
email: "deepakgangwani512@gmail.com"
phone: "7414804575"
qualification: "ghghghghgh"

_id: ObjectId('6502954519f986bc6505c5e2')

name: "Bharat"
email: "bharat@gmail.com"
phone: "8367362781"
qualification: "BCOM"

12. References

Frontend References

➤ Comprehensive documentation for HTML, CSS, and JavaScript:
MDN Web Docs - <https://developer.mozilla.org/en-US/docs/Web>

- Excellent resource for HTML, CSS, and JavaScript tutorials and documentation.

Bootstrap Documentation - <https://getbootstrap.com/docs/>

➤ Official documentation for Bootstrap, a popular frontend framework.
jQuery Documentation - <https://api.jquery.com/>

APIs and Libraries

- Google Maps JavaScript API - <https://developers.google.com/maps/documentation/javascript>

➤ Google reCAPTCHA API:
API Documentation: Google reCAPTCHA API
To obtain API keys and manage reCAPTCHA settings, visit the <https://www.google.com/recaptcha/about/>

➤ Grammarly API:
Grammarly did not provide a public API for direct integration as of my last update. Please check their official website for any updates regarding API availability.
<https://developer.grammarly.com/apps>

➤ Google Cloud Translation API (Google Translate):
API Documentation: <https://cloud.google.com/translate>
To access the API, you'll need to set up a Google Cloud account, enable the Translation API, and generate API keys. The documentation provides details on usage.

- OpenAI API (GPT-3):

API Documentation: <https://platform.openai.com/docs/>

OpenAI provides documentation on how to use their GPT-3 API. Be aware that the availability, pricing, and terms of use may have changed since my last update. Visit their website for the latest information.

- Google Custom Search API (Google Search Bar):

API Documentation:

<https://developers.google.com/custom-search/docs/json-api/v1/overview>

You can follow the documentation to create a custom search engine and integrate it into your website or application.

Documentation for PHP and MongoDB

- PHP Documentation - <https://www.php.net/docs.php>
- MongoDB Documentation - <https://docs.mongodb.com/>

Deployment Platform For Frontend

GitHub Repositories

GitHub - <https://github.com/>

