

ASCENDION

Capstone Project



Personal BACKGROUND

(Name, Past Experience, Qualification, Career Summary)

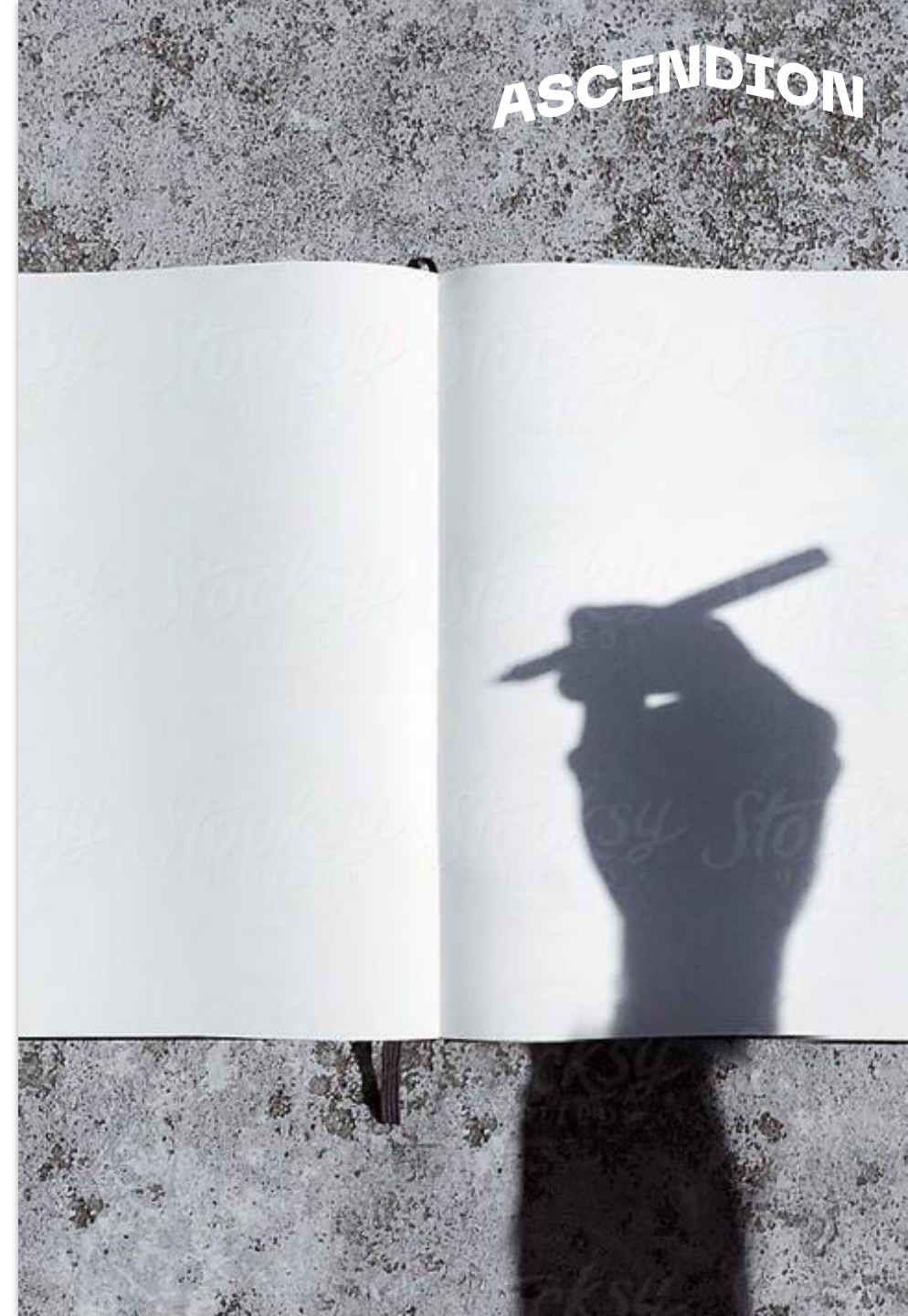
Name : GANGISETTY KRISHNA VAMSI

Past Experience : FRESHER

Qualification : UNDERGRADUATE

Career Summary : A motivated fresher who recently joined a web development organization, eager to learn and contribute to building responsive and dynamic websites. Equipped with basic knowledge of HTML, CSS, JavaScript, and passionate about growing in the field.

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Knowledge before Training

So, before starting this project, I had a basic understanding of:

- **HTML:** I knew how to structure content on the web using HTML elements, tags, and attributes.
- **CSS:** I were familiar with styling and layout techniques using CSS selectors, properties, and values.
- **JavaScript:** I had a basic understanding of JavaScript syntax, variables, data types, functions, and conditional statements.



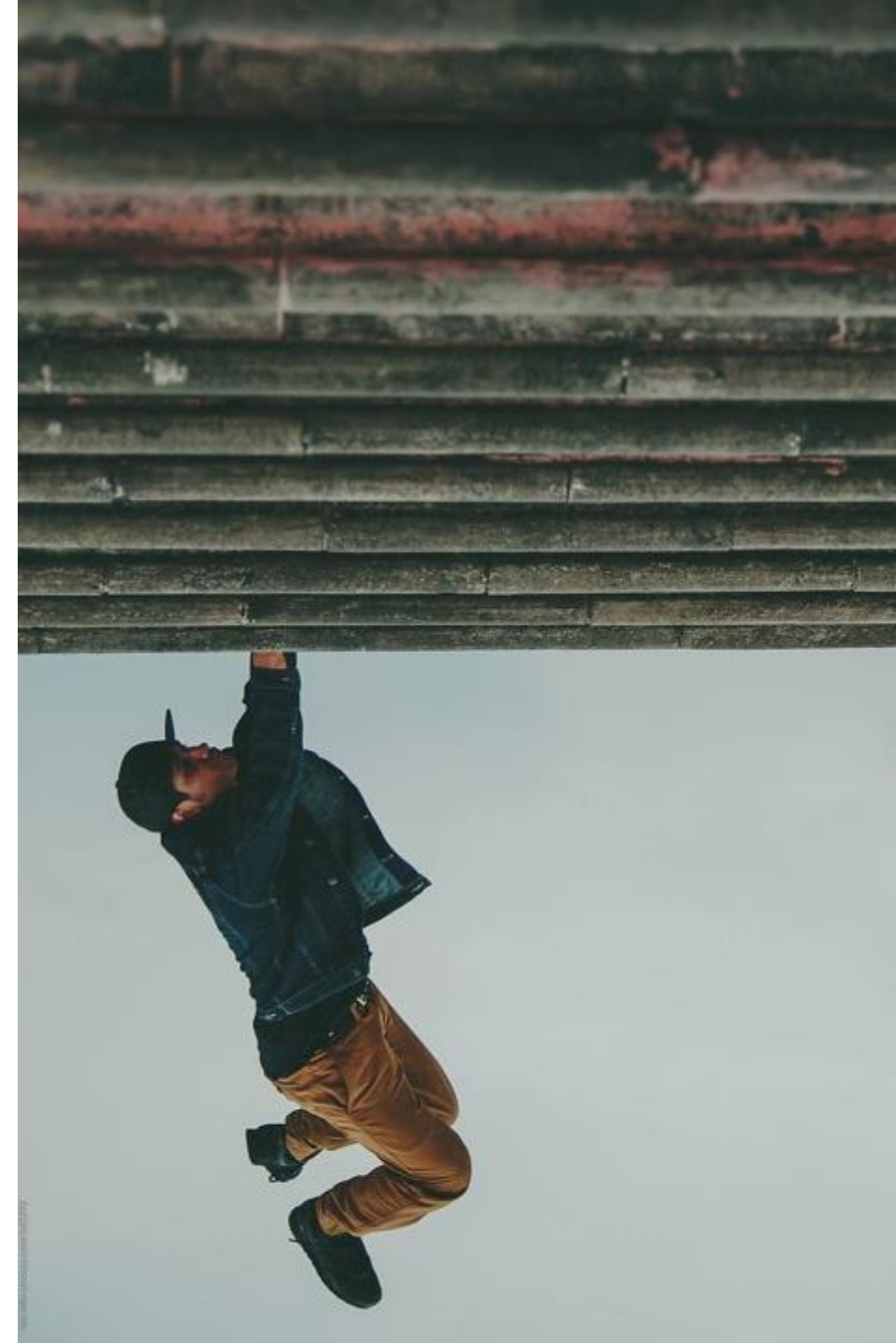
Key Takeaways/Learnings from the Program (HTD)

- **Full-stack Development:** Gained hands-on experience in building a complete service booking website using:
 - React for front-end development
 - Node.js with Express for back-end development
- **State Management:** Improved understanding of managing application state using:
 - Redux
 - Thunk
 - for a smoother user experience.
- **Responsive Design:** Enhanced ability to create user-friendly and responsive interfaces for modern web browsers and devices.



Problem Statement of the Capstone Project

The goal is to develop a **service booking website** similar to urbancompany.com, allowing users to book various services such as cleaning, plumbing, painting, and electrical work. The website should provide a user-friendly and responsive interface using **React** for the front-end, **MongoDB** for the database, and **Node.js** with **Express** for the back-end. The project requires implementing essential features like **category selection**, **booking management**, **payment integration**, and **OTP verification** to ensure service completion and customer satisfaction.



List of tools used for Capstone


- **React:** Front-end framework for building the user interface.
- **Material UI:** For designing the layout and UI components.
- **Redux & Thunk:** For state management and handling asynchronous operations.
- **Node.js:** Back-end runtime environment for executing server-side code.
- **Express.js:** Framework for building RESTful APIs on the back-end.
- **MongoDB:** NoSQL database for storing service and user data.
- **Jest:** Testing framework for writing and running unit tests.
- **Git:** Version control system for tracking changes and collaboration.
- **Postman:** API testing tool for verifying backend functionality.

Login Page


Description: Login using registered username and password.

Login

Username *


 Enter your username

Password *

 Enter your password

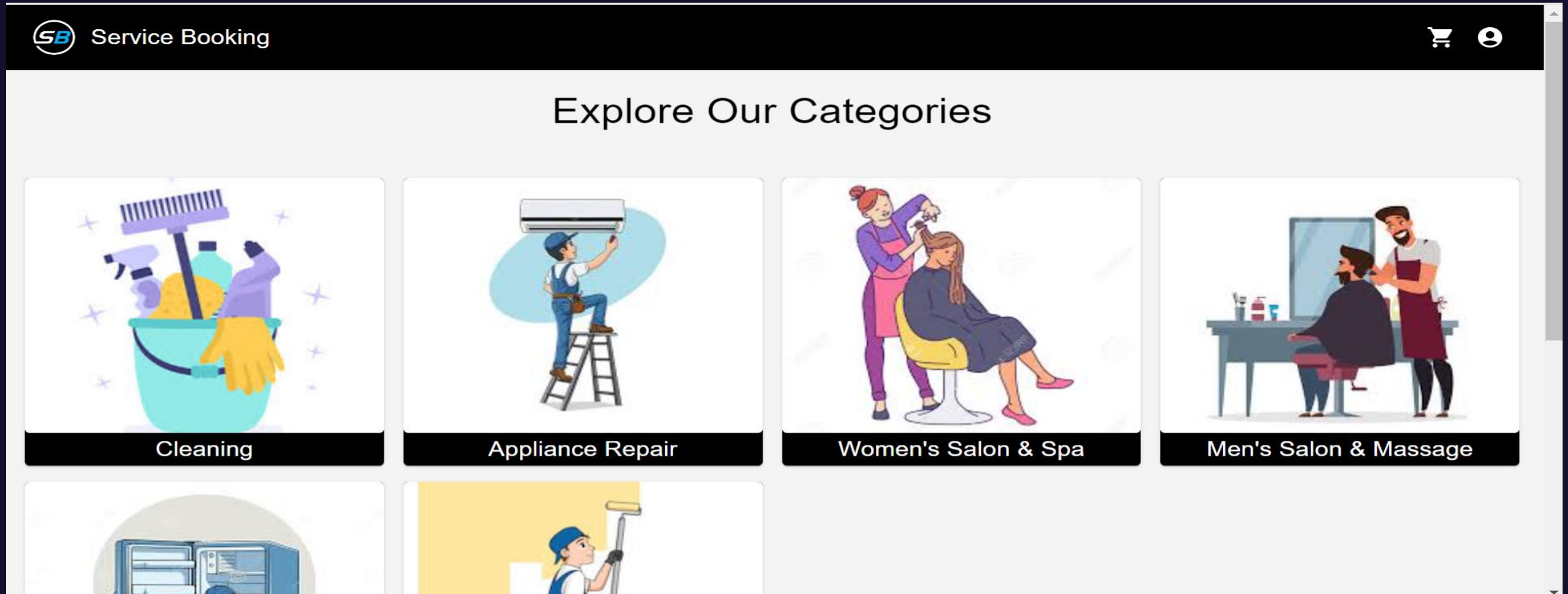
LOGIN

Are you a new user? [Register](#)



Displaying Available Categories of Services.


Description: The homepage displays a list of available service categories like Cleaning, Appliance Repair, and Men's Salon.





Displaying Providers List

Description: Users can select a category, and the site displays nearby service providers with ratings and price.

Providers for Service

 krishna234
Phone: 9618275075
Price: 2000
★★★★★

 sreekar234
Phone: 9618275075
Price: 1000
★★★★★

 dhanush234
Phone: 9618275075
Price: 1100

Booking Page

Description: The Booking Page displays categories and services, along with consumer and provider details. Users can enter the start date, end date, and time for their booking.

Booking Details

Provider Name

krishna123

Consumer Name

vamsi123

Category

Cleaning



Cart Page

Description: The Cart Page displays selected services, their categories, and details for both consumers and providers, facilitating a seamless payment process.

Your Booking Details

Provider: krishna123

Consumer: vamsi123

Category: Cleaning

Service: Bathroom Cleaning

Payment Method

Cash on Delivery

✗ Not Selected


MAKE PAYMENT

Provider Dashboard

Description: The Provider Page displays a list of bookings of consumers






Bookings

 Search by Service

Status

All




Service	Consumer	Time Slot	Status	Action
Bathroom Cleaning	vamsi123	 Sep 23, 2024,  11:54:00 AM - 1:54:00 PM	 ongoing	<div>VERIFY</div>


Verification Page


Description: Users can upload images to document the state of the work before it begins. Upon uploading images, an OTP (One-Time Password) is generated for verification purposes. and after completion.


Verification Form


Phone Number

 +919618275075


 UPLOAD IMAGE 1


 UPLOAD IMAGE 2


 PREVIEW IMAGES

 UPLOAD IMAGES

Enter OTP



 VERIFY OTP

 SUBMIT

Conclusion

In conclusion, the service booking website project is a comprehensive web development project. It provides a streamlined experience for booking services. Through this project, I gained hands-on experience in React, Jest, and MongoDB. I learned to design and develop a fully functional website. The project helped us to prioritize essential features and manage application state. We ensured data validation and error handling for robust performance. The project prepared us for real-world application development scenarios. Overall, it was a valuable learning experience.



Thank You

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