Madhav Institute of Technology & Science Gwalior

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

NAAC Accredited with A++ Grade

In partial fulfillment of the requirement for the award of the degree

Practical Examination

Summer Internship Project - III (160713)

Submitted By:

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Submitted To:

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DECLARATION

I hereby declare that the Report of SIP-III for the course **"Summer Internship project-III"** is being submitted in the partial fulfillment of the requirement for the award of **Bachelor of Technology** in **Information Technology.**

All the information in this document has been obtained and presented in accordance with academic rule and ethical conduct.

Name Vinay Pratap Singh Sirohiya

Roll No: 0901IT201066

Date: 22/11/23

Place: Gwalior

Certification of Internship

Abstract -

I have done Full Stack 4 Week InternShip in Suven Consultants & Technology Pvt Ltd. The internship provided a multifaceted learning experience, encompassing HTML, CSS, JavaScript, ReactJS,Express JS,Node js,MongoDB, Firebase, Redux, and Toastify. The author successfully applied these skills to create a dynamic chat web application and an enticing e-commerce website, demonstrating a versatile proficiency in full-stack development.

I have done work on two projects they are **Chat Web App** and **E-Commerce Website**.

The Real-Time **Chat Web App** is a modern and interactive chat application built using React.js and Firebase. This application allows users to register, log in, search for other users, engage in real-time text and image-based conversations, and store chat history securely in Firebase.

Key Features:

User Registration and Authentication:

Users can create accounts by providing a username, email address, password, and profile picture.
Firebase handles user authentication, ensuring data security and privacy.

Login Page:

Registered users can log in with their username and password. Authentication ensures that only authorized users access the app.

Dynamic Chat Layout:

The chat interface features a dynamic layout with a left sidebar and a right content area. The left sidebar displays the user's profile picture, username, a search bar for finding other users, and a list of currently active chat users.

Real-Time Chatting:

Users can select a chat user from the list and engage in real-time text-based conversations. Messages are displayed in the right content area in a conversation-style format.

Image Sharing:

Users can send images within chat conversations, enhancing communication.
Images are stored securely in Firebase storage.

User Search:

The search bar allows users to find and connect with other registered users.
Search functionality filters users based on usernames and displays matching results.

Firebase Integration:

Firebase is used as the backend for user authentication, real-time chat functionality, and image storage.
User data, chat history, and images are securely stored and managed in Firebase databases and storage.

Responsive Design:

The web app is designed to be responsive and accessible on various devices and screen sizes.
User Profile Management:

Users can update their profile information, including profile pictures, to personalize their accounts.
Logout Functionality:

Users can securely log out of their accounts when they are done using the app.
This Real-Time Chat Web App provides a seamless and engaging communication experience for users while ensuring their data is stored securely. It leverages the power of React.js for a dynamic user interface and Firebase for real-time functionality and data management. Users can connect with others, share images, and maintain their chat history conveniently in one platform.

The **E-commerce Website** is a robust online shopping platform built using React.js, API integration, Stripe for payments, and Firebase for user authentication and database management. This website offers an engaging and user-friendly shopping experience, allowing customers to browse products, add items to their cart, securely make payments, and manage their orders seamlessly.

Key Features:

Attractive Front Page with React Slide:

The front page welcomes users with an attractive and responsive design. A React-based image slider showcases featured products or promotions to capture users' attention.

User-Friendly Design:

The website is designed with user-friendliness in mind, ensuring a smooth shopping experience for customers.

Login Page with Social Authentication:

Users can log in using their Google or GitHub accounts, leveraging Firebase Authentication for secure access. Firebase Database stores user information and login details.

Product Catalog:

The website fetches product data through APIs, allowing for easy updates and scalability. Products are categorized and displayed with images, prices, and descriptions.

Add to Cart Page:

Customers can add products to their cart, which is displayed on a dedicated "Add to Cart" page. The cart page shows a list of added products, their quantities, prices, and a total.Users can remove individual products from the cart or reset the entire cart.

Stripe Payment Integration:

Stripe is implemented for secure and seamless payment processing on the "Add to Cart" page. Customers can make payments using credit/debit cards, ensuring a smooth checkout experience.

Order Management:

After successful payment, orders are securely stored in Firebase Database, allowing users to view their order history.

Responsive Design:

The website is designed to be responsive and compatible with various devices and screen sizes, ensuring a consistent user experience.
Footer with Important Information:

A footer section provides essential information, such as contact details, links to policies, and social media links.

This E-commerce Website combines the power of React.js for a dynamic user interface, API integration for real-time product data, Stripe for secure payments, and Firebase for user authentication and database management. It offers a user-friendly and feature-rich shopping experience for customers, making it a reliable platform for online shopping.