

A Seminar Report

On

**WEB DEVELOPMENT INTERN AT
SHRIPRITI EDUCATIONAL & IT HUB**

Submitted in partial fulfillment of the requirement for the award of

BACHELOR OF TECHNOLOGY

in

COMPUTER SCIENCE & ENGINEERING

SUBMITTED BY :-

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

SOS, ENGINEERING AND TECHNOLOGY,

GURU GHASIDAS VISHWAVIDYALAYA,

BILASPUR, CHHATTISGARH

MAY 2024 - JUNE 2024

CERTIFICATE



Certificate of Completion

Awarded

To

ANISH RAMTEKE

For successfully completing 2 Months Internship

in

WEB DEVELOPMENT

From 20/05/2024 To 28/06/2024

This program was conducted in collaboration with All India council For Technical Education (AICTE) and Shripriti Educational & IT HUB.

Preeti

Preeti Dalela
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AICTE:-
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CHAPTER 1 - INTRODUCTION

In the dynamic world of web development, crafting interactive and engaging applications is essential for capturing and retaining user interest. During the summer of 2024, I embarked on an exciting journey as a Web Development intern at Shripri Educational & IT Hub. This internship provided me with an invaluable opportunity to delve deeply into the fundamentals of web development, culminating in the creation of a dynamic Rock-Paper-Scissors game using HTML, CSS, and JavaScript. The project was more than just a simple game; it was a testament to my ability to leverage these technologies to create an immersive user experience. The process involved not only mastering the technical aspects but also understanding the intricacies of user interface design and functionality.

The Rock-Paper-Scissors game project encapsulated several critical aspects of web development, including user interface design, performance optimization, and user engagement enhancement. My primary objective was to create a user-friendly, visually appealing, and responsive game interface. This required a thorough understanding of HTML for structuring content, CSS for styling and layout, and JavaScript for interactivity and logic implementation. Through this project, I was able to master these technologies and design a seamless interface that exceeded user expectations.

One of the key challenges was ensuring optimal performance. Efficient loading times and smooth gameplay were essential to providing a high-quality user experience. This involved writing clean, modular code that performed well and was easy to maintain and extend. By focusing on code efficiency and adopting best practices, I ensured that the game ran smoothly across different devices and browsers, providing a consistent user experience.

Enhancing user engagement was another critical goal of the project. To achieve this, I incorporated animations and sound effects, which added a layer of interactivity and excitement to the game. These elements were carefully designed to complement the gameplay without overwhelming the user, striking a balance between functionality and entertainment. The addition of these features not only made the game more enjoyable but also demonstrated my ability to create engaging user experiences through thoughtful design and development practices.

Throughout the development process, I encountered several challenges that required innovative solutions. One of the main challenges was ensuring that the game interface was responsive and