# SRM VALLIAMMAI ENGINEERING COLLEGE

(An Autonomous Institution)

SRM Nagar, Kattankulathur, Chengalpattu Dt.-603203, Tamil Nadu.

# DEPARTMENT OF INFORMATION TECHNOLOGY ACADEMIC YEAR: 2022-2023

**REGULATION 2019** 

# **REPORT**

on

"1908708-INTERNSHIP"

at

CODEBIND TECHNOLOGIES, CHENNAI.



# **SUBMITTED BY**

142219205027-LAKSHMIDHARAN.O.P. SEVENTH SEMESTER 2022- 2023 (Odd Semester) BATCH: 2019-2023

# SRM VALLIAMMAI ENGINEERING COLLEGE

(An Autonomous Institution) SRM Nagar, Kattankulathur – 603 203

# DEPARTMENT OF INFORMATION TECHNOLOGY

# **CERTIFICATE**

This is to certify that Mr LAKSHMIDHARAN O P (Reg. No. 142219205051)

VII Semester B. Tech (Information Technology) has completed the Internship in

'WEB DEVELOPMENT' during the period 24<sup>th</sup> June 2022 to 10<sup>th</sup> July 2022

at CODE BIND TECHNOLOGIES and the has been submitted to Anna

University.

HEAD OF THE DEPARTMENT SIGNATURE

DEPT. OF INFORMATION NAME:

**TECHNOLOGY** 

SRM VALLIAMMAI ENGINEERING DESTINATION:

COLLEGE

# **ACKNOWLEDGEMENT**

First I would like to thank **S.Raj Kumar**, Head ,HR Department of **CODE BIND TECHNOLOGIES** for giving me the opportunity to do an internship within the organization.

I also would like all the people that worked along with me **CODE BIND TECHNOLOGIES** with their patience and openness they created an enjoyable working environment.

It is indeed with a great sense of pleasure and immense sense of gratitude that I acknowledge the help of these individuals.

I am highly indebted to Director **Dr. B. Chidhambararajan**, **M.E., Ph.D.**, and Principal **Dr. M. Murugan**, **M.E., Ph.D.** for the facilities provided to accomplish this internship.

I would like to thank my Head of the Department Dr. A. R. Revathi, B.E., M.Tech., M.B.A., Ph.D., Associate Professor for her constructive criticism throughout my internship.

I would like to thank **Dr.S.Narayanan B.E., M.Tech.,Ph.D. Assistant Professor** (**Sel.G**) internship coordinator Department of IT for his support and advices to get and complete internship in above said organization. I am extremely great full to my department staff members and friends who helped me in successful completion of this internship.

O.P.LAKSHMIDHARAN (142219205051)

## VISION & MISSION

#### **MISSION:**

To become a model for higher learning through development to prepare self-disciplined, creative culturally competent and dynamic Information Technocrats while remaining sensitive to ethical, societal and environmental issues.

#### **VISION:**

M1: To mould the students as innovative and high quality IT professionals to meet the global challenges and Entrepreneurs of international excellence as global leaders capable of contributing towards technological innovations learning process, participation citizenship in their neighborhood and economic growth.

**M2:** To impart value-based IT education to the students and enrich their knowledge and to achieve effective interaction between industry and institution for mutual benefits..

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# INTRODUCTION

Internship opportunity provides the students a great chance to relate their theoretical knowledge with the competitive and tough real job market environment. Moreover, if the internship period is within the bachelor program and the students have to return to the academia after completing it, the skills that they have developed during the internship help them to gain a more sound academic result. I joined CodeBind Technologies, as an intern on 24 June 2022. The expectations were high and now I completed the internship and I must admit that it was really a wonderful experience.

I was lucky to get the opportunity to complete our industrial attachment at CodeBind Technologies. Since CodeBind Technologies. is a leading Website design and software company and developing software from a long ago in Chennai I consider myself timely to get chance to take a deep look to their development methodology, working models, deals and industrial behaviour. I intended to look into the software industry and how it looks like, what are the rules, responsibility, and environment. Obviously they work with almost every platform and technologies. I worked with the part of Web Development team and generated ideas based on their development technology. The journey wasn't that simple. There were many obstacles, new technologies that I have to handle with, yet after overcoming each challenge I had discovered a new potential within myself. The skills that I have gathered are priceless to me and I cannot wait to apply those in the upcoming semesters. In addition to that, some of the non-technical skills that I have procured, combined with those technical skills will certainly prove handy in my future jobs.

# **TECHNOLOGIES LEARNT**

# 2.1 Web Development:

Web-It refers to website, web pages or anything that works over the internet. Development-Building the application from scratch.

Web development is a broad term for the work involved in developing a web site for the Internet (World Wide Web) or an intranet (a private network).

#### Website:

you are on our website http://www.tutorialspoint.com which is a collection of various pages written in HTML markup language. This is a location on the web where people can find tutorials on latest technologies. Similar way there are millions of websites available on the web.

#### Web Server:

Every Web site sits on a computer known as a Web server. This server is always connected to the internet. Every Web server that is connected to the Internet is given a unique address made up of a series of four numbers between 0 and 256 separated by periods.for example,

68.178.157.132 or 68.122.35.127.

#### Web Browser:

Web Browsers are software installed on your PC. To access the Web you need a web browsers, such as Netscape Navigator, Microsoft Internet Explorer or Mozilla Firefox. Currently you must be using any sort of Web browser while you are navigating through my site tutorials point.com. On the Web, when you navigate through pages of information this is commonly known as browsing or surfing. Developer Tools – Photoshop and Dreamweaver.

#### PHOTOSHOP:

# The Marquee Tool:

The Photoshop marquee tool, a relatively simple feature, is essential for several tasks. At the most basic level, the tool is used to select areas of an image, which can then be copied, cut or cropped. There are four options within the tool to select different types of areas: rectangular, elliptical, a single row or a single column.

# The Crop Tool:

The Photoshop crop tool serves two main purposes. The first is to crop, which means to cut out an area of an image by selecting the area that you wish to keep. It is also handy for quickly resizing images. These functions can also be used at the same time to crop and resize a photo (or any type of image) at once.

#### **2.2 DREAMWEAVER:**

Adobe Dreamweaver is such a powerful tool for Web designers, because it has so many things you can do with it. Of course, all those things you can do make it challenging to learn. Find out some of the many things that Dreamweaver can do, including changes in the latest version, CS5. And don't forget to check out the things that are missing from Dreamweaver CS5.

# 2.3 Website Designing Using CSS,HTML,PHP:

#### 2.3.1 CSS:

**CSS** (Cascading Style Sheet) describes the HTML elements which are displayed on screen, paper, or in other media. It saves a lot of time. It controls the layout of multiple web pages at one time. It sets the **font-size**, **font-family**, **color**, **background color** on the page.

#### 3 TYPES OF CSS:

# **External style sheet:**

External style sheet, which you use when you want to apply the same styles consistently across all the pages in your Web site that are linked to it. Also known as linked style sheet.

#### **CSS Code:**

```
body{ background-color:
gray;} p { color: blue; }
h3{ color: white; }
```

#### **Internal CSS:**

The <u>Internal CSS</u> has <style> tag in the <head> section of the **HTML** document. This CSS style is an effective way to style single pages. Using the CSS style for multiple web pages is time-consuming because we require placing the style on each web page.

```
body { background-color: black;
} h1 { color: white; padding:
50px;
}
```

#### **Inline CSS:**

<u>Inline CSS</u> is used to style a specific **HTML** element. Add a **style** attribute to each HTML tag without using the selectors. Managing a website may difficult if we use only **inline CSS**. However, Inline **CSS** in HTML is useful in some situations. We have not access the **CSS files** or to apply styles to element.

```
<!DOCTYPE html>
```

# <html> <body style="background-color:white;"> <h1 style="color:Red;padding:20px;">CSS Tutorials</h1> It will be useful here. </body> </html>

Now save the file as a CSS (.css) file. Make sure that you are not saving it as a text (.txt) file, as notepad likes to do by default. Name the file "test.css" (without the quotes). Now create a new HTML file and fill it with the following code.

#### 2.3.2 HTML Code:

```
<html>
<head>
link rel="stylesheet" type="text/css" href="test.css" />
</head>
<body>
<h3> A White Header </h3>
 This paragraph has a blue font.

The background color of this page is gray because we changed it with CSS! 
</body>
</html>
```

Then save this file as "index.html" (without the quotes) in the same directory as your CSS file.

Now open your HTML file in your web browser and it should look something like this.

#### HTML:

HTML is a **markup** language for **describing** web documents (web pages).

- HTML stands for Hyper Text Markup Language
- A markup language is a set of **markup tags**
- HTML documents are described by **HTML tags**
- HTML consists of a series of elements

Hypertext refers to the way in which Web pages (HTML documents) are linked together. When you click a link in a Web page, you are using hypertext.

Markup Language describes how HTML works. With a markup language, you simply "mark up" a text document with tags that tell a Web browser how to structure it to display.

Originally, HTML was developed with the intent of defining the structure of documents like headings, paragraphs, lists, and so forth to facilitate the sharing of scientific information between researchers.

HTML is the language in which most website are written.HTML is used to create pages and make them functional.

#### **BASIC SYNTAX OF HTML:**

<!DOCTYPE html>
<html>
<body>

```
<h1>My First Heading</h1>
My first paragraph.
</body>
</html>
```

#### 2.3.3 PHP:

**PHP** (recursive acronym for **PHP**: Hypertext Preprocessor) is a widely-used open source generalpurpose scripting language that is especially suited for web development and can be embedded into

HTML.

# **BASIC SYNTAX OF PHP:**

```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"

"http://www.w3.org/TR/html4/loose.dtd">

<html>
<head>
<title>Example</title>
</head>
<body>
<?php

echo "Hi, I'm a PHP script!";

?>

</body>
</html>
```

PHP performs system function, i.e from files on a system it can create ,open ,read ,write and close them.

We can add, delete, modify elements your database.

# 2.4 Database Connection using SQL Queries :

Insert Data From a Form Into a Database Using PHP With HTML:

#### **HTML CODING:**

```
<html>
<body>
<form action="insert.php" method="post">
Firstname: <input type="text" name="firstname">
Lastname: <input type="text" name="lastname">
Age: <input type="text" name="age">
<input type="submit">
</form>
</body>
</html>
PHP CODING:
<?php
$con=mysqli_connect("example.com","peter","abc123","my_db");
// Check connection if (mysqli_connect_errno()) { echo
"Failed
                connect
                                 MySQL:
          to
                            to
mysqli_connect_error(); }
$firstname = mysqli_real_escape_string($con, $_POST['firstname']);
```

```
$lastname = mysqli_real_escape_string($con, $_POST['lastname']);
$age = mysqli_real_escape_string($con, $_POST['age']);
$sql="INSERT INTO Persons (FirstName, LastName, Age)

VALUES ('$firstname', '$lastname', '$age')";
if (!mysqli_query($con,$sql)) {
    die('Error: ' . mysqli_error($con));
} echo "1 record
    added";
    mysqli_close($con
);
?>
```

# 2.5 Testing Domain Registration & Domain Hosting:

# **Domain hosting:**

It is refers to businesses that specialize in hosting domain names for individuals and companies. Domain names are used in URLs to identify particular Web pages.

# **Domain testing:**

It is one of the most widely practiced software testing techniques. It is a method of selecting a small number of test cases from a nearly infinite group of candidate test cases. Domain knowledge plays a very critical role while testing domain-specific work.

# **DETAILS OF PROJECT WORK CARRIED OUT**

# 3.1 Website Project Management:

Website project management breaks down the various requirements from internal (or external) team members into specific tasks and subtasks, which are then tackled in a collaborative process.

The point of website project management is to establish a more optimized workflow so jobs move along and projects get completed faster – all while supplying teams with further details on tasks.

These jobs have a ton of moving parts that require work from other teams like design, content, dev ops, or SEO. Website project management is more often than not a collaborative team effort, which is why this group is different from others.

# 3.2Domain Registration:

Registration of a domain name establishes a set of Start of Authority (SOA) records in the DNS servers of the parent domain, indicating the IP address (or domain name) of DNS servers that are authoritative for the domain.

This provides merely a reference for how to find the domain data – not the actual domain data. Registration of a domain does not automatically imply the provision of DNS services for the registered domain.

Most registrars do offer DNS hosting as an optional free service for domains registered through them. If DNS services are not offered, or the end-user opts out, the end-user is responsible for procuring or selfhosting DNS services. I have

developed a website for car showroom as a project. Here I attach the screenshots of the website.

# 3.2 Domain Hosting:

A domain host provides a domain name, like www.yourdomain.com, that visitors can use to find you. A domain name is like a street address that directs people to your website's location, but it's not the content that visitors see when they visit your site.

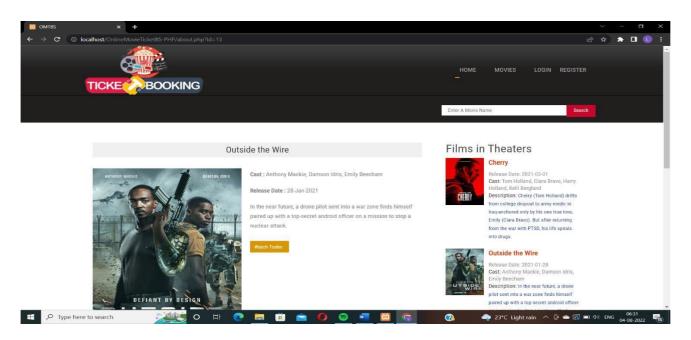
Domain hosts store domain names and facilitate their registration. If you're using a domain registered through a third-party provider, like GoDaddy or Hover, they're your domain host, and you'll manage your domain through them.

# 3.4 Server Processing:

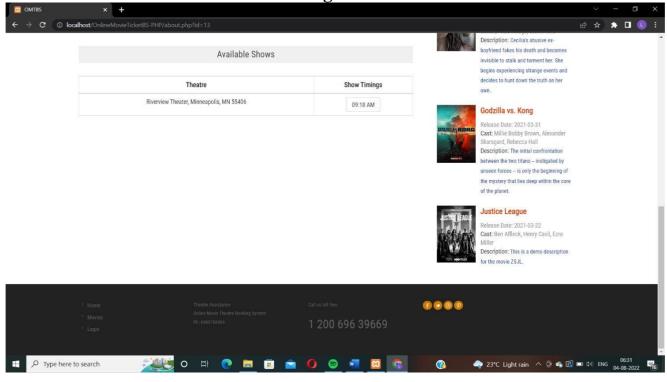
A server process (program) fulfills the client request by performing the task requested. Server programs generally receive requests from client programs, execute database retrieval and updates, manage data integrity and dispatch responses to client requests. The server process acts as a software engine that manages shared resources such as databases, printers, communication links, or high powered processors.

# **SAMPLE OUTPUT**

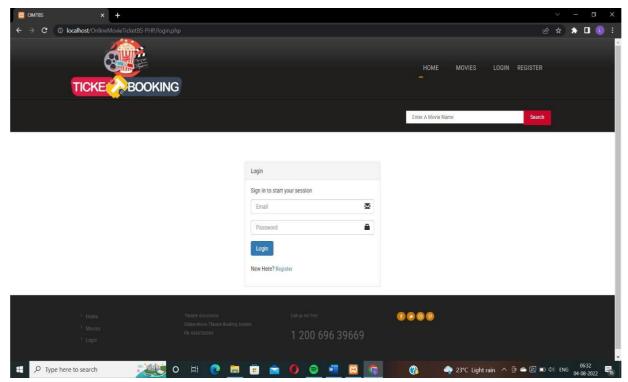
# Home page:



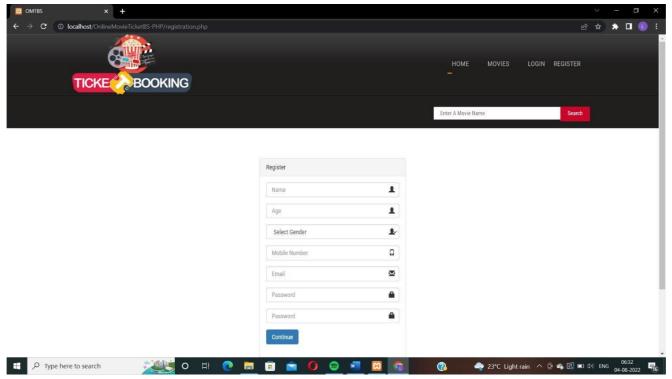
**Fig.4.1** 



**Fig.4.2** 

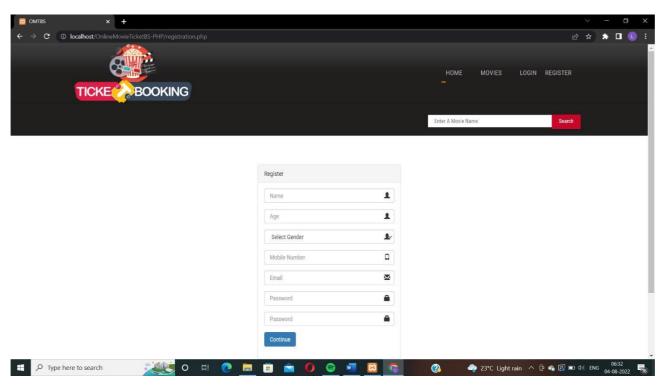


**Fig.4.3** 

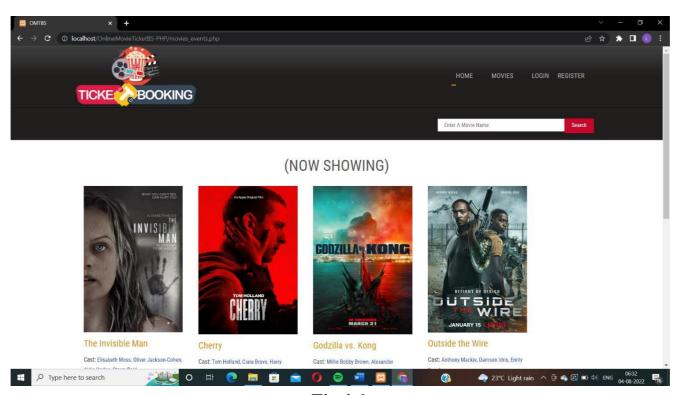


**Fig.4.4** 

# Register page:

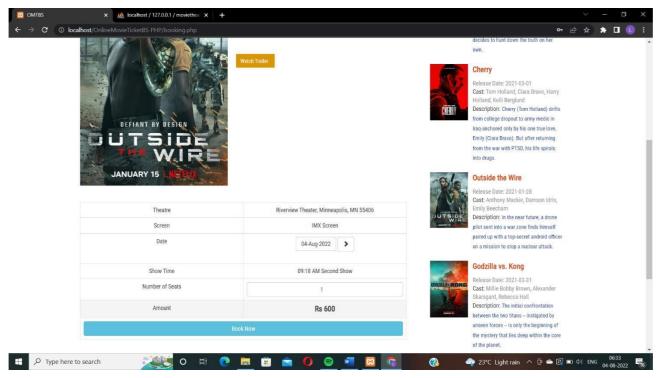


**Fig.4.5** 

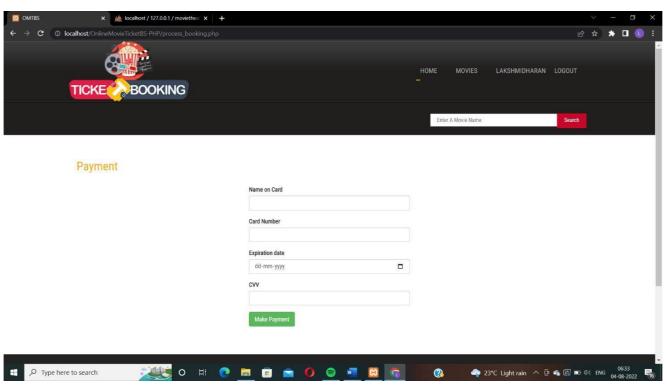


**Fig.4.6** 

# **Ticket Booking Page:**

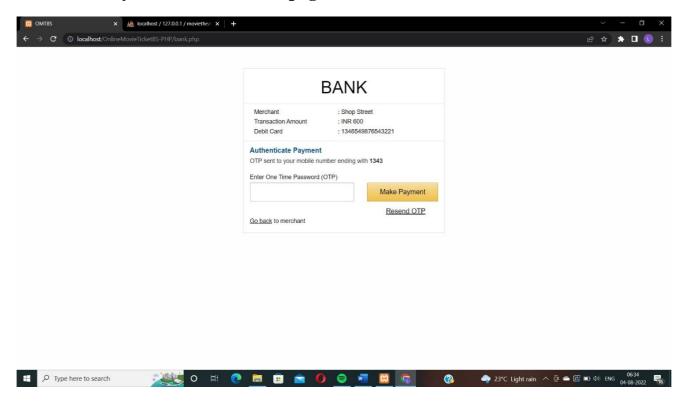


**Fig.4.7** 



**Fig.4.8** 

# **Bank Payment Confirmation page:**



**Fig.4.9** 

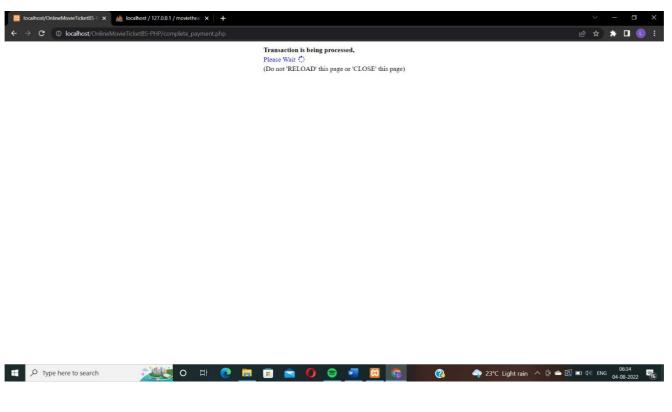


Fig.4.10

# **Booking History Page:**

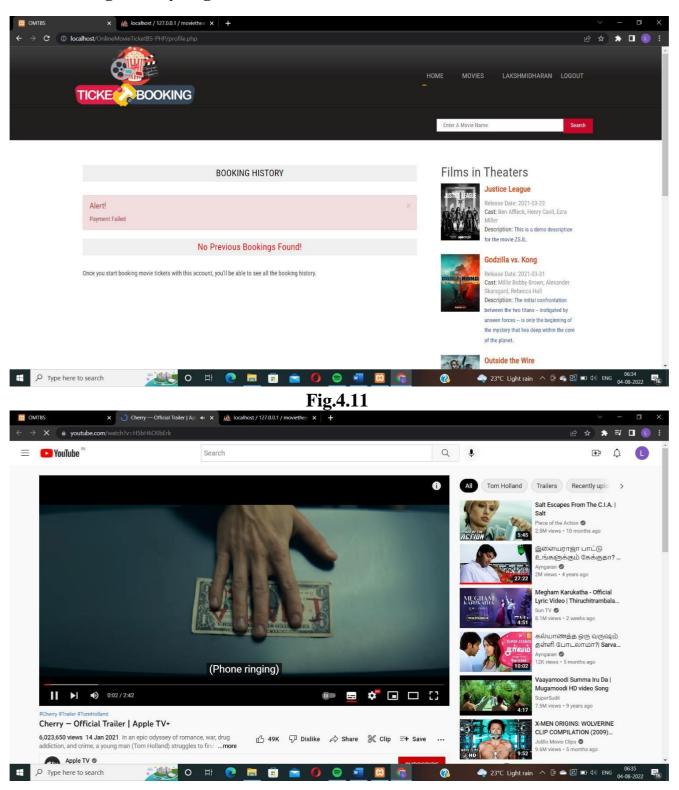


Fig.4.12

# **Theatre Assistant Page:**

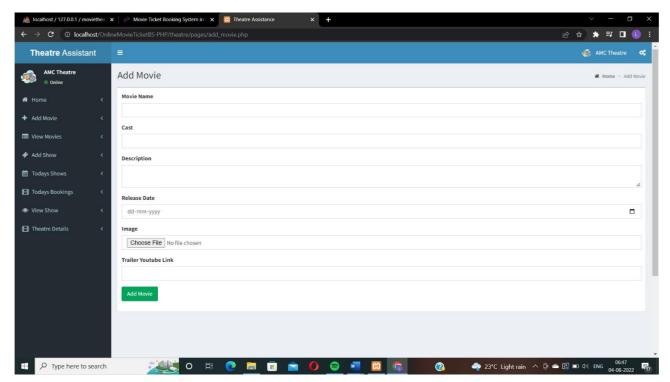


Fig.4.13

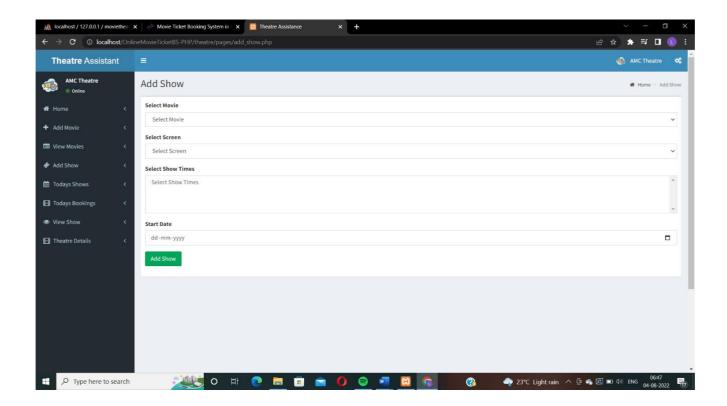


Fig.4.14

## SKILLS LEARNT AND EXPERIENCE GAINED

#### 5.1 HTML/CSS skills:

Having knowledge of HTML and CSS is imperative to become a web developer. HTML is the most commonly used markup language globally. Web developers use this language extensively to build web pages. You also may need to use CSS to style websites. For instance, you can use CSS to implement different fonts, colours and layouts in the design of a website.

# 5.2 Analytical skills:

Web developers often need to examine any errors in their code. This requires good analytical skills. They need to ensure the code is correct and the website functions properly. Other than the technical aspects of the job, they also need to make sure the requirements of the clients are being understood properly. As a web developer, you will have to analyse the needs of your clients and adapt accordingly to make any changes to the website.

# 5.3 Responsive web design skills:

If you want to work as a web developer, it is imperative that you understand how responsive web design works. People can view a web page on different devices with varying screen sizes. Whether they use a desktop computer or a mobile phone, any website that you create must adapt to the varying screen sizes. If the website you build is not responsive, it would not be suitable for either desktop viewing or mobile viewing. So you have to be able to create websites with responsive designs, as failing to do so can affect the volume of visitors your website may get.

# 5.4 JavaScript skills:

JavaScript helps you implement some complex features onto a website. Knowledge of JavaScript will help you meet higher expectations of your clients when creating websites. For instance, you can use this programming language when your clients want to store data through caches or move search bars on a webpage. Mastery of these skills will help you create highly interactive websites that focus on user experience.

# 5.5 Interpersonal skills:

Having good interpersonal skills is important to be successful as a web developer, as this role requires interacting with clients and colleagues regularly. You should have positive body language and a strong work ethic. If you can get along with people well, you will communicate well with your colleagues and clients and perform well in your role.

# 5.6 Testing and debugging skills:

Regular testing ensures the code is working as expected. Hence, the ability to test regularly and debug the code on a web page is essential to be a successful web developer.

#### 5.7 Back-end basics:

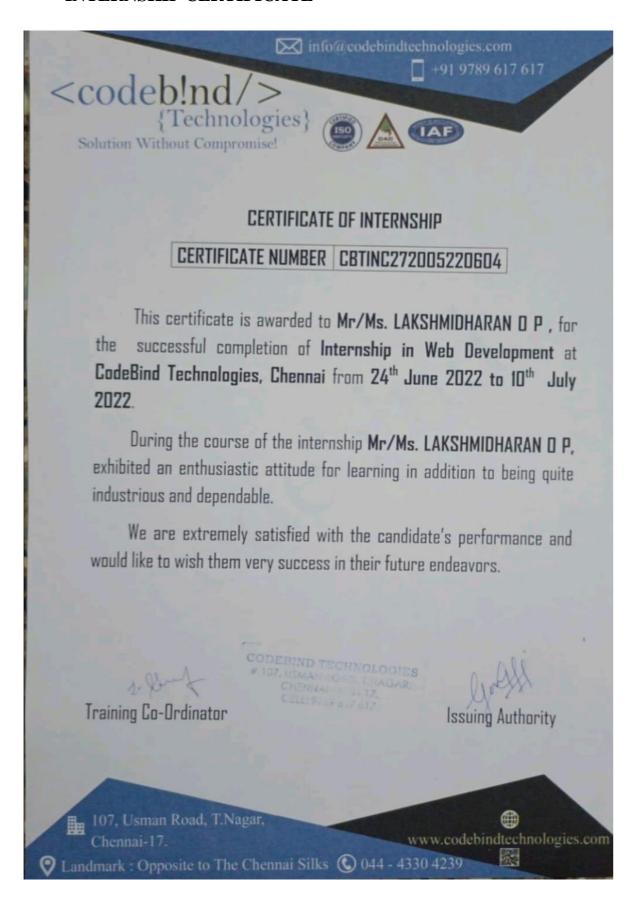
You must also understand the back-end basics of web development. Since you will be collaborating with back-end developers, it is important for you to know the fundamentals. For instance, you should know the basics of the working of servers, databases, cybersecurity and SQL.

#### **CONCLUSION**

The system has been developed with much care and free of errors and at the same time it is efficient and less time consuming. The purpose of this project was to develop a web application for booking tickets in movie theatre.

This project helped us in gaining valuable information and practical knowledge on several topics like designing web pages using html & css, usage of responsive templates, designing of android applications, and management of database using my sql. The entire system is secured. Also the project helped us understanding about the development phases of a project and software development life cycle. We learned how to test different features of a project

# INTERNSHIP CERTIFICATE



## **PERMISSION LETTER:**

23.06.2022 Thursday

From.

O.P.Lakshmidharan. Reg.No: 142219205051. III Year IT -1. SRM Valliammai Engineering College, SRM Nagar, Kattankulathur - 603203.

To.

THE PRINCIPAL.

SRM Valliammai Engineering College. SRM Nagar, Kattankulathur - 603203.

Through, THE HOD/Information Technology, SRM Valliammai Engineering College

Respected Sir,

Sub: Seeking Permission for Internship - Reg.,

I am O.P.Lakshmidharan (Reg.No: 142219205051) studying in III Year/VI Semester IT-Section-1. As per the Regulations 2019, I am going to do internship on the topic Development" in CodeBind Technologies, T. Nagar, Chennai for two weeks during 24th June 2022 to 10th July 2022. Hence I kindly request you to grant me permission for the internship.

Thanking You.

Yours faithfully

O.P. Day Dy (O.P. Lakshmidharan)

Station: Kattankulathur

Encl: 1 Internship Confirmation Letter.

Engraved Hoogh there class Advisor - P Pringer

Forwarded to The Principal.
23/06/22

A SHOT ON OFFICE

# **SCHEDULE COPY**

DATE	DAY	NAME OF THE TOPIC COMPLETED	
24/06/22	1	Introduction to company	
25/06/22	2	Introduction to Recruitment life cycle	
26/06/22	3	Explanation of sourcing and selection process phases in Recruitment life cycle	
27/06/22	4	Explanation of offering and document collection in Recruitment life cycle	
28/06/22	5	Explanation of requirement gathering phase in Recruitment life cycle	
29/06/22	6	Explanation of Induction and Allocation phases in Recruitment life cycle	
30/06/22	7	Discussion about Recruitment and selection hiring process in Recruitment life cycle	
1/07/22	8	Web development with html, css, java script	
2/07/22	9	Domain registration& Domain hosting	
3/07/22	10	Explanation of project work	
4/07/22	11	Coding of project work-phase 1	
5/07/22	12	Coding of project work-phase 2	
6/07/22	13	Report the defects	
7/07/22	14	Project distribution	
8/07/22	15	Certification	

