

PORTFOLIO PROJECT



Submitted by

SURYA R 1P24MC053

In partial fulfillment of the requirements for the award of the Degree of MASTER OF COMPUTER APPLICATIONS

From Bharathiar University, Coimbatore.

Under the Internal Supervision of

Dr. S. RANJITHA KUMARI, M.Sc., M.Phil., PhD

Associate Professor, Dept. of MCA, RVSCAS



SCHOOL OF COMPUTER STUDIES MASTER OF COMPUTER APPLICATIONS RVS COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS) Sulur, Coimbatore – 641 402. Nov 2024

RVS COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)

Sulur, Coimbatore – 641 402.

School of Computer Studies

Department of Computer Applications (MCA)



Nov 2024.

Register Number: 1P24MC053

Certified bonafide original record of work done by SURYA R

Internal Examiner

External Examiner

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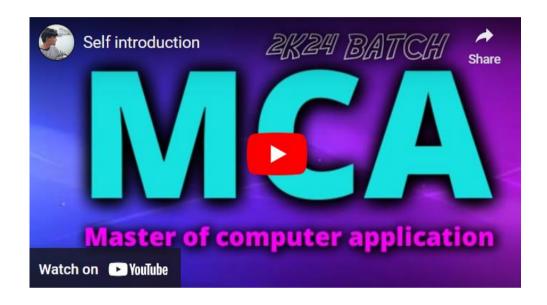
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Chapter-1

Video Information

1.1 YouTube video introduction



Description:

In this page, you can see the self-introduction of mine. By clicking the play button it will redirect to the YouTube page, so that you can know me more.

Source Code:

HTML:

<iframe width="560" height="315"
src="https://www.youtube.com/embed/GkVd9SO96TQ?si=wNTvP7cD9RQYudnN"
title="YouTube video player" frameborder="0" allow="accelerometer; autoplay; clipboard-write; encrypted-media; gyroscope; picture-in-picture; web-share" referrerpolicy="strict-origin-when-cross-origin" allowfullscreen>
</iframe>

Chapter-2:

Website Bio Score

2.1 About Me:

Portfolio

HOME ABOUT SKILLS EDUCATION PROJECT RESUME CONTACT

ABOUT

I'm Surya, currently pursuing my Master of Computer Applications (MCA), building on my strong foundation in computer science gained from my Bachelor of Computer Applications (BCA). My academic journey has equipped me with a solid understanding of programming, software development, and IT systems.

During my BCA, I developed proficiency in various programming languages, including Java, Python, and web technologies. Now, through my MCA, I am honing my skills in advanced Full stack development, data structures, algorithms.



Description:

I'm Surya, currently pursuing my Master of Computer Applications (MCA), building on my strong foundation in computer science gained from my Bachelor of Computer Applications (BCA). My academic journey has equipped me with a solid understanding of programming, software development, and IT systems.

Source Code:

HTML:

```
I'm Surya, currently pursuing my Master of Computer Applications (MCA), building on my strong foundation
  in computer science gained from my Bachelor of Computer Applications (BCA). My academic journey has
  equipped me with a solid understanding of programming, software development, and IT systems.
  During my BCA, I developed proficiency in various programming languages, including Java, Python, and web
  technologies. Now, through my MCA, I am honing my skills in advanced Full stack development, data
  structures, algorithms. 
  </div>
  </div>
  </div>
  </section>
CSS:
/*============*/
#ABOUT{
  padding-top: 60px;
}
.ok{
  padding-top: 40px;
  text-align: center;
  color: black;
  font-size: 50px;
}
.photo img{
 width: 30%;
 height: 30%;
 margin-right: 90px;
 float: right;
}
.the{
  display: flex;
}
.the p{
  padding: 0px 0px 12px 18px;
  padding-top: 20px;
```

}

2.2 Contact Page:

Portfolio	HOME ABOUT SKILLS EDUCATION PROJECT RESUME CONTACT
	CONTACT
Full Name	Email Address
Mobile Number	Email Subject
Your Message	

Send Message

Description:

The above displayed figure is a contact page in the website. If the user wants to contact me, they can fill the form with their valid details. Here I imported library called Email-js to send messages.

Source Code:

HTML:

```
</div>
     <textarea name="" id="" cols="30" rows="10" placeholder="Your Message"></textarea>
     <input type="Submit" value="Send Message" class="btn">
   </form>
</section>
CSS:
.contact form{
  max-width: 70rem;
  margin: 1rem auto;
  text-align: center;
  margin-bottom: 2rem;
}
.contact form .input-box{
  display: flex;
 justify-content: space-between;
  flex-wrap: wrap;
.contact form .input-box input.contact form textarea{
  width: 100%;
  height: 20%;
  padding: 1rem;
  font-size: 1rem;
  color: var(--text-color);
  background: var(--second-bg-color);
  border-radius: .8rem;
  margin: .7rem 0;
}
.contact form .input-box input{
  width: 49%;
}
```

Chapter-3:

Pages & Navigation

3.1 Landing Page:

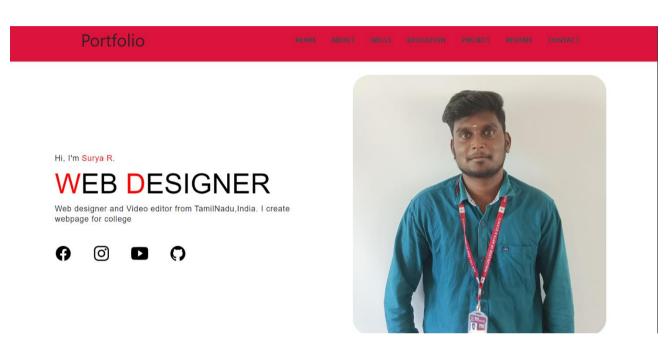


Figure 3.1.1

Description:

The above Figure 3.1.1 are the screenshot of Homepage in a desktop view. And this is a home screen of the portfolio which shows the landing page and navigation bar. which shownas Figure 3.1.1.

Source Code

HTML

```
<!--==== HOME =====>>
<nav class="navbarr" >
Portfolio

<a href="#HOME" class="home">HOME</a>
<a href="#ABOUT" class="about">ABOUT</a>
```

```
<
<a href="#SKILLS" class="#SKILLS">SKILLS</a>
<
<a href="#Edu" class="#EDUCATION">EDUCATION</a>
<
<a href="#PROJECT" class="#project">PROJECT</a>
<
<a href="images/Resume.jpg" class="resume">RESUME</a>
<
<a href="#CONTACT" class="contact">CONTACT</a>
</nav>
</header>
<section class="home" id="HOME">
<div class="main">
<div class="info">
<div class="prof" >
<h3>Hi, I'm <span>Surya R</span>.</h3>
<h1><span>W</span>EB <span>D</span>ESIGNER</h1>
<h3>
Web designer and Video editor from TamilNadu,India. I create <br/>br />
webpage for college<br/>
<br/>
br />
</h3>
```

```
</div>
  </div>
  <div class="image">
  <img src="images/Suryaphoto.jpg" class="Surya" />
  </div>
  <div class="icons">
  <a href="https://www.facebook.com/profile.php?id=61565145381385&mibextid=ZbWKwL"><ion-icon
  name="logo-facebook"></ion-icon></a>
  name="logo-instagram"></ion-icon></a>
  <a href="https://youtu.be/GkVd9SO96TQ?si=SgFDt19LETQ0D8kL"><ion-icon name="logo-youtube"></ion-icon name="logo-youtube"></or></r></r></r>
  icon></a>
  <a href="https://github.com/"><ion-icon name="logo-github"></ion-icon></a>
  </div>
  </div>
  </section>
CSS:
.Hi{
color: blur;
font-size: 40px;
}
.navbarr{
background-color:crimson;
position: fixed;
top: 0;
left: 100px;
z-index: 99;
width: 100%;
margin-left: -100px;
padding: 5px 0;
display: flex;
```

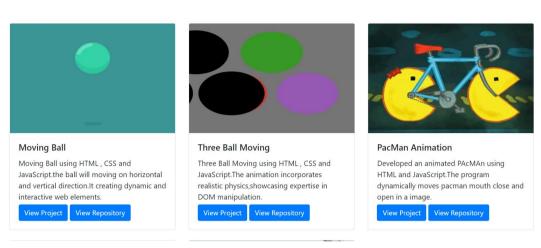
```
align-items: center;
justify-content: space-around;
.navbar .logo{
width: 160px;
cursor: pointer;
margin-top: -3%;
margin-left: -2%;
}
.prof{
width: 700px;
margin-top: 300px;
}
ul{
margin-top: 10px;
}
ul li{
list-style: none;
display: inline-block;
padding: 10px 16px;
}
ul li a{
font-size: 16px;
font-weight: bold;
text-decoration: none;
color: darkslategray;
margin-top: -3%;
transition: .4s ease;
ul li a:hover{
color: rgb(230,104,59);
}
.info{
margin-left: 7%;
margin-top: 6%;
.info h1{
```

```
font-size: 65px;
color: black;
}
.info h3{
font-size: 18px;
letter-spacing: 1px;
line-height: 24px;
}
.info span{
color: red;
.info a:hover{
background:skyblue;
}
.image{
width: 30%;
height: 60%;
position: absolute;
right: 100px;
bottom: 0;
.image:hover .Surya{
left: 55%;
.icons a{
text-decoration: none;
color: black;
}
.icons{
padding-top: 40px;
.icons ion-icon{
margin-left: 7%;
color:black;
margin-right: -60px;
font-size: 40px;
transition: .4s ease;
```

3.2 Project Page

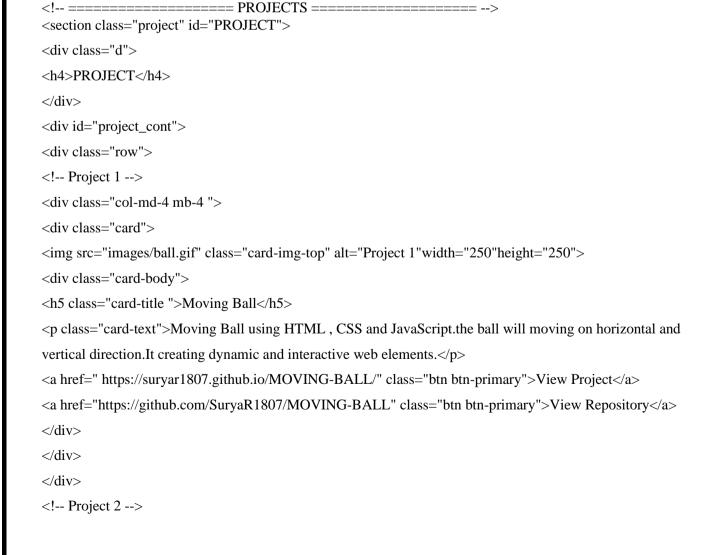
Portfolio

PROJECT



Source Code

HTML:



```
<div class="col-md-4 mb-4">
<div class="card">
<img src="images/threeball.gif" class="card-img-top" alt="Project 2"width="250"height="250">
<div class="card-body">
<h5 class="card-title">Three Ball Moving</h5>
Three Ball Moving using HTML, CSS and JavaScript. The animation incorporates realistic
physics, showcasing expertise in DOM manipulation. 
<a href="https://suryar1807.github.io/THREE-BALL-MOVING/" class="btn btn-primary">View Project</a>
<a href="https://github.com/suryar1807/THREE-BALL-MOVING" class="btn btn-primary">View Repository</a>
</div>
</div>
</div>
<!-- Project 3 -->
<div class="col-md-4 mb-4">
<div class="card">
<img src="images/pacman.webp" class="card-img-top" alt="Project 3"width="250"height="250">
<div class="card-body">
<h5 class="card-title">PacMan Animation</h5>
Developed an animated PAcMAn using HTML and JavaScript. The program dynamically
moves pacman mouth close and open in a image.
<a href="https://suryar1807.github.io/PACMAN/" class="btn btn-primary">View Project</a>
<a href="https://github.com/suryar1807/PACMAN" class="btn btn-primary">View Repository</a>
</div>
</div>
</div>
<!-- Project 4 -->
<div class="col-md-4 mb-4">
<div class="card">
<img src="images/Eyeball.webp" class="card-img-top" alt="Project 4" width="250"height="250">
<div class="card-body">
<h5 class="card-title">Eye Ball Movement</h5>
Realtime eye movement using HTML,CSS and JavaScript. The eyes will follow the cursor.the
design features responsive layout for various screen sizes.
<a href="https://suryar1807.github.io/Eye-ball/" class="btn btn-primary">View Project</a>
<a href="https://github.com/suryar1807/Eye-ball" class="btn btn-primary">View Repository</a>
</div>
</div>
</div>
```

```
<!-- Project 5 -->
<div class="col-md-4 mb-4">
<div class="card">
<img src="images/roadmap.webp" class="card-img-top" alt="Project 5"width="250"height="250">
<div class="card-body">
<h5 class="card-title">Roadmap</h5>
This HTML document displays a map using Mapbox and a button to animate a marker's
movement along predefined bus stops between Gandhipuram to Sulur. 
<a href="https://suryar1807.github.io/Roadmap/" class="btn btn-primary">View Project</a>
<a href="https://github.com/suryar1807/Roadmap" class="btn btn-primary">View Repository</a>
</div>
</div>
</div>
</div>
</div>
</section>
</section>
  CSS:
  /*=======PROJECTS =======*/
.project {
margin-bottom: 15px;
}
#view{
color: white;
.project-section {
background-color: #fff;
padding: 50px;
margin: 20px auto;
}
.project {
padding: 20px;
border-radius: 8px;
width: 60%;
```

3.3 Navigation

Desktop View:

Portfolio Home About Skills Education Project Resume Contact

Figure-3.3.1

Description:

The Figure-3.3.1 are the samples of navigation bar in both desktop View. This was a user-friendly method only, so the user can easily use the features.

```
<header>
<nav class="navbarr" >
Portfolio
<ul>
<a href="#HOME" class="home">HOME</a>
<
<a href="#ABOUT" class="about">ABOUT</a>
<
<a href="#SKILLS" class="#SKILLS">SKILLS</a>
<
<a href="#Edu" class="#EDUCATION">EDUCATION</a>
<li>>
<a href="#PROJECT" class="#project">PROJECT</a>
<1i>
<a href="images/Resume.jpg" class="resume">RESUME</a>
\langle li \rangle
<a href="#CONTACT" class="contact">CONTACT</a>
```

```
</nav>
</header>
CSS:
/*======== HEADER & NAV ========*/
.Hi{
color: blur;
font-size: 40px;
}
.navbarr{
background-color:crimson;
position: fixed;
top: 0;
left: 100px;
z-index: 99;
width: 100%;
margin-left: -100px;
padding: 5px 0;
display: flex;
align-items: center;
justify-content: space-around;
}
.navbar .logo{
width: 160px;
cursor: pointer;
margin-top: -3%;
margin-left: -2%;
}
.prof{
width: 700px;
margin-top: 300px;
}
ul\{
margin-top: 10px;
```

```
}
ul li{
list-style: none;
display: inline-block;
padding: 10px 16px;
ul li a{
font-size: 16px;
font-weight: bold;
text-decoration: none;
color: darkslategray;
margin-top: -3%;
transition: .4s ease;
ul li a:hover{
color: rgb(230,104,59);
}
.info{
margin-left: 7%;
margin-top: 6%;
}
.info h1{
font-size: 65px;
color: black;
}
.info h3{
font-size: 18px;
letter-spacing: 1px;
line-height: 24px;
.info span{
color: red;
}
.info a:hover{
background:skyblue;
}
```

3.4. Skills:



Description:

The above figures are skill page, which contain a subdivision named skills and expertise, education and training, soft skills and self-introduction video. Basically, it is an animation,

Source Code:

HTML:

```
<div class="progress-bar bg-info" role="progressbar" style="width: 85%">85%</div>
</div>
</div>
<div class="col-md-6" id="skill_move">
<h5>JavaScript</h5>
<div class="progress">
<div class="progress-bar bg-warning" role="progressbar" style="width: 75%">75%</div>
</div>
</div>
<div class="col-md-6" id="skill_move">
<h5>C</h5>
<div class="progress">
<div class="progress-bar bg-primary" role="progressbar" style="width: 80%">80%</div>
</div>
</div>
<div class="col-md-6" id="skill_move">
<h5>Python</h5>
<div class="progress">
<div class="progress-bar bg-danger" role="progressbar" style="width: 70%">70%</div>
</div>
</div>
<div class="col-md-6" id="skill_move">
<h5>Java</h5>
<div class="progress">
<div class="progress-bar bg-secondary" role="progressbar" style="width: 65%">65%</div>
</div>
</div>
</div>
</div>
```

CSS:

```
/*=========================*/
.b2{
  color: #ffbf35;
  text-align: center;
  font-size: 30px;
  padding: 50px;
}
.skills {
  margin-top: 30px;
  font-size: 17px;
}
.text-center{
  padding-bottom: 100px;
}
#skill_move{
  padding: 20px 10px;
}
#skill_cont{
  padding-bottom: 50px;
}
```

Education:

Portfolio

HOME ABOUT SKILLS EDUCATION PROJECT RESUME CONTACT

EDUCATION

BHARATHIAR UNIVERSITY

2021-2024

Bachelor in Computer Applications

BHARATHIAR UNIVERSITY

2024-2026

Master in Computer Applications

Mahandra Matric Hr Sec School 2018-2019

Secondary School

A.S.S Matric Hr Sec School 2020-2021

Higher Secondary School

Description:

The above figures are eduction page, which contain a subdivision named school and ,education and training, soft skills and Knowledge. Basically, it is an animation,

Source Code:

HTML:

</div>

```
<!--===
               <section id="Edu">
<h4 class="education">EDUCATION</h4>
<div class="bg-lightgrey" >
<div id="education_sect">
<div class="experience-list">
<h2>BHARATHIAR UNIVERSITY</h2>
<h3>2021-2024</h3>
Bachelor in Computer Applications
</div>
<div class="experience-list">
<div class="experience-count"></div>
<h2>BHARATHIAR UNIVERSITY</h2>
<h3>2024-2026</h3>
Master in Computer Applications
</div>
```

```
<div id="education_sect">
<div class="experience-list">
<div class="experience-count"></div>
<h2>Mahandra Matric Hr Sec School</h2>
<h3>2018-2019</h3>
Secondary School
</div>
<div class="experience-list">
<div class="experience-count"></div>
<h2>A.S.S Matric Hr Sec School</h2>
<h3>2020-2021</h3>
Higher Secondary School
</div>
</div>
</div>
</section>
CSS:
     ============================*/
 #education_sect{
 display: flex;
 justify-content: space-between;
 padding: 20px 90px;
 margin-bottom: 50px;
 .experience-list{
 width: 600px;
 box-shadow: -5px -5px 10px crimson,
 5px 5px 10px rgb(190, 77, 100);
 text-align: center;
 margin: auto;
 border-radius: 40px;
 margin-bottom: 40px;
 .education{
 padding-top: 150px;
 padding-bottom: 50px;
                                                     21
```

```
text-align: center;
color: black;
font-size: 40px;
}
.b h3{
text-align: center;
font-size: 50px;
color: black;
margin-top: 1 80px;
margin-bottom: 80px;
}
```

Chapter-4 Style Score

4.1. Styles

Source Code:

margin-left: -2%;

```
CSS:
/*======== REUSABLE CSS CLASSES ========*/
.main{
width: 99%;
background-position: center;
background-size: cover;
height: 100vh;
position: relative;
font-family: sans-serif;
border: 2px solid transparent;
}
.Hi{
color: blur;
font-size: 40px;
.navbarr{
background-color:crimson;
position: fixed;
top: 0;
left: 100px;
z-index: 99;
width: 100%;
margin-left: -100px;
padding: 5px 0;
display: flex;
align-items: center;
justify-content: space-around;
.navbar .logo{
width: 160px;
cursor: pointer;
margin-top: -3%;
```

```
}
.prof{
width: 700px;
margin-top: 300px;
}
ul{
margin-top: 10px;
ul li{
list-style: none;
display: inline-block;
padding: 10px 16px;
ul li a{
font-size: 16px;
font-weight: bold;
text-decoration: none;
color: darkslategray;
margin-top: -3%;
transition: .4s ease;
ul li a:hover{
color: rgb(230,104,59);
}
.info{
margin-left: 7%;
margin-top: 6%;
.info h1{
font-size: 65px;
color: black;
.info h3{
font-size: 18px;
letter-spacing: 1px;
line-height: 24px;
.info span{
color: red;
```

```
}
.info a:hover{
background:skyblue;
.image{
width: 30%;
height: 60%;
position: absolute;
right: 100px;
bottom: 0;
}
.image img{
border-radius: 40px;
position: absolute;
height: 140%;
left: 40%;
transform: translate(-55%);
bottom: 0;
transition: left 2s ease;
.image:hover .Surya{
left: 55%;
}
.icons a{
text-decoration: none;
color: black;
}
.icons{
padding-top: 40px;
.icons ion-icon{
margin-left: 7%;
color:black;
margin-right: -60px;
font-size: 40px;
transition: .4s ease;
.icons ion-icon:hover{
color:skyblue;
```

```
#ABOUT{
padding-top: 60px;
}
.ok{
padding-top: 40px;
text-align: center;
color: black;
font-size: 50px;
}
.photo img{
width: 30%;
height: 30%;
margin-right: 90px;
float: right;
}
```

4.2. Style Links

Chapter 5:

Website include the following Information

5.1 Project links to GitHub:

Project-1

Title: BALL MOVEMENT

Link: https://suryar1807.github.io/MOVING-BALL/

Project Description:

This HTML page displays a continuous bouncing red ball animation within a rectangular area, controlled by JavaScript using the setInterval function with a 500-millisecond interval..

Project-2

Title: THREE BALL MOVING

Link: https://suryar1807.github.io/THREE-BALL-MOVING/

Project Description:

Elevate the animation by enabling user input for modifying the ball's movement, incorporating elementslike keyboard and mouse controls, as well as introducing obstacles or targets to enhance interactivity.

PROJECT-3

Title: PAC-MAN

Link: https://suryar1807.github.io/PACMAN/

† Project Description:

This HTML page features a Pac-Man animation moving horizontally within a container, controlled by JavaScript for direction, animation, reversal, with a continuous animation loop triggered by setInterval every 100 milliseconds.

PROJECT-4

Title: EYE BALL

Link: https://suryar1807.github.io/EYE-BALL/"

Project Description:

This HTML document creates a simple interactive face with moving eyes that follow the user's mouse cursor. The face consists of a yellow circle with two eyes, and the eyes' black pupils follow the mouse movement.

PROJECT-5

Title: ROAD MAP

Link: https://suryar1807.github.io/ROAD-MAP/

Project Description:

This HTML document displays a map using Mapbox and a button to animate a marker's movement along predefined bus stops between Gandhipuram and Sulur.

PROJECT-6

Title: PAC MAN

Link: https://suryar1807.github.io/PACMAN-GAME/

† Project Description:

This HTML page features a Pac-Man animation moving horizontally within a container, controlled by JavaScript for direction, mouth animation, and boundary reversal, with a continuous animation loop triggered by setInterval every 100 milliseconds.

PROJECT-7

Title: WORD COUNT

Link: https://suryar1807.github.io/WORD-COUNT/

Project Description:

This HTML document displays the top 3 most frequently occurring words from a provided paragraph after removing punctuation and converting all text to lowercase.

PROJECT-8

Title: BOSTON DATA

Link: https://suryar1807.github.io/BOSTON-DATA/

Project Description:

This JavaScript program retrieves and displays information about the top five earning employees in Boston, providing key details for each employee.

PROJECT-9

Title: EYE MOVING

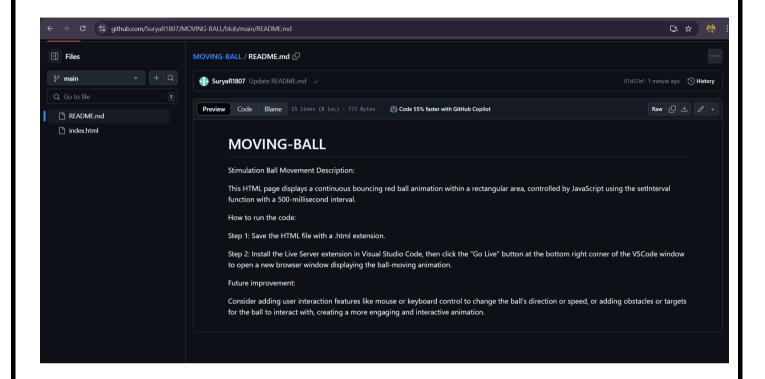
Link: https://suryar1807.github.io/HANOI-TOWER/

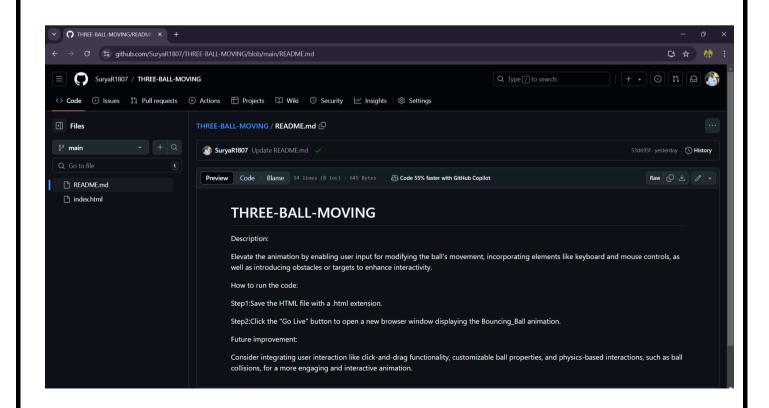
Project Description:

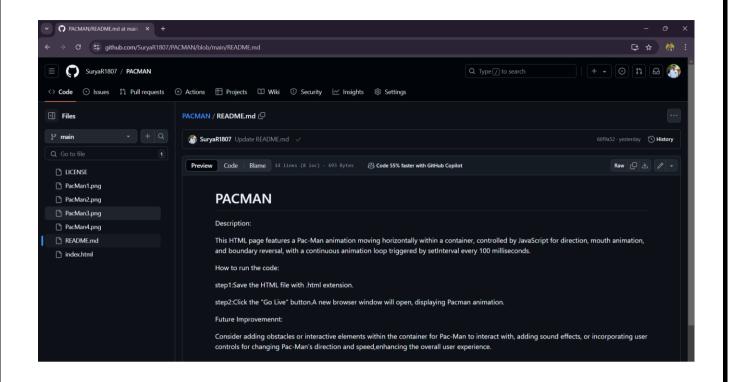
This JavaScript program retrieves and displays information about the top five earning employees in Hanio tower, providing key details for each employee

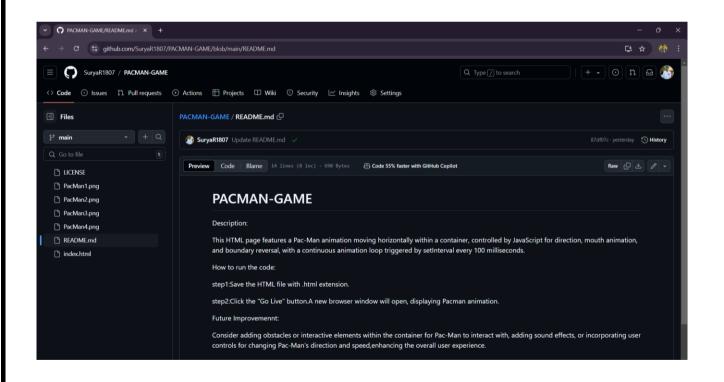
Chapter-6:
Bootstrap
6.1 Uses of Bootstrap:
Source Code
<pre><link href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css" rel="stylesheet"/></pre>
Description:
I have used bootstrap in this website as a separate file. Which was a built in CSS file, so wecan use it to reduce our time and also it carries a (N) number of designs. So, I had linked them to the code in HTML.

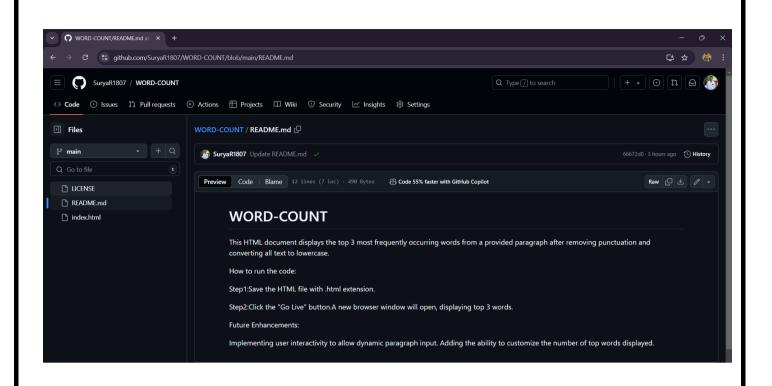
Chapter 7: PROJECT README

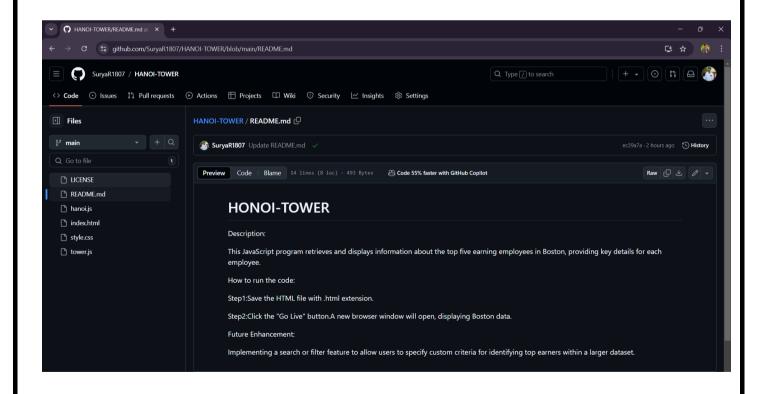


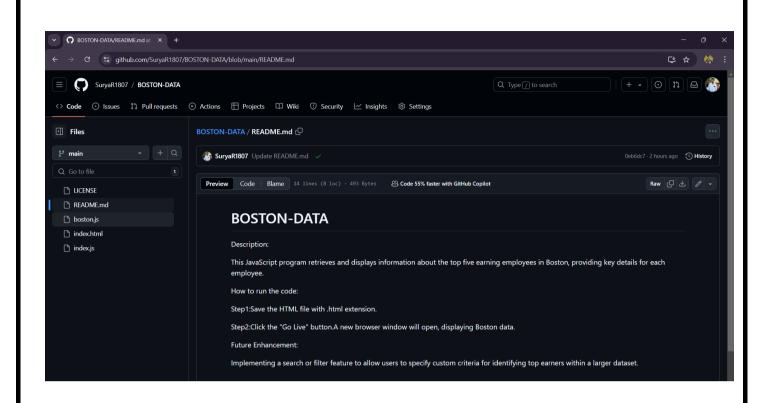


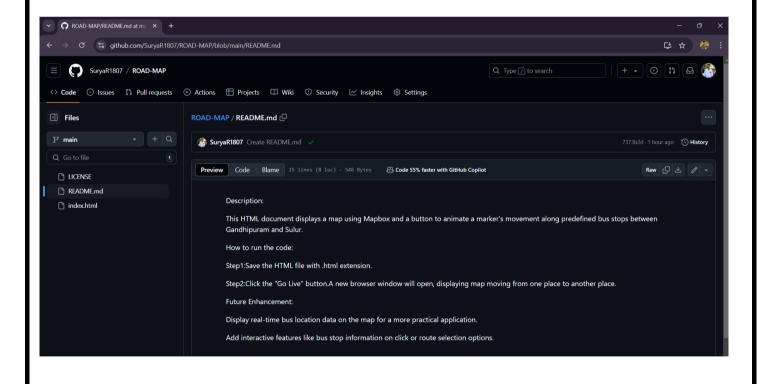


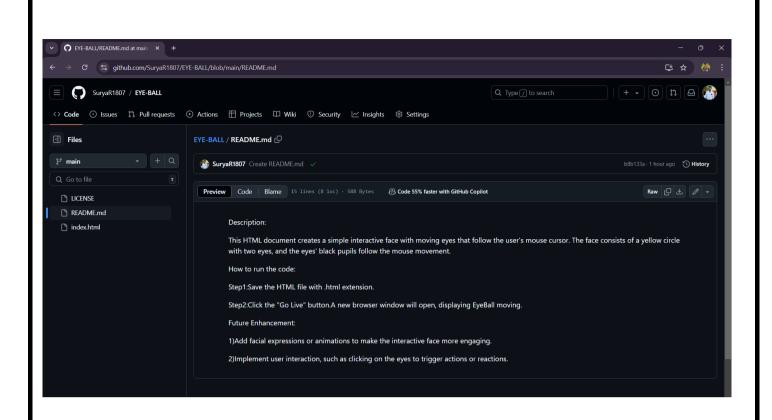












Description:

The above figures are the screenshot of project README files (Description, steps to run, futureimprovement) in a desktop view.

Chapter 8 File Structure

8.1 GitHub File Structure

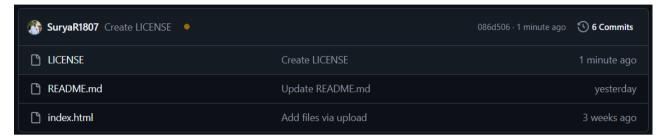


Figure 8.1.1

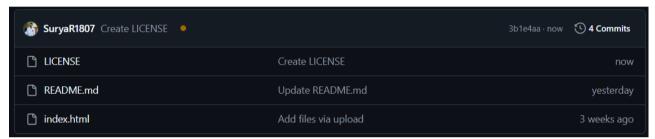


Figure 8.1.2

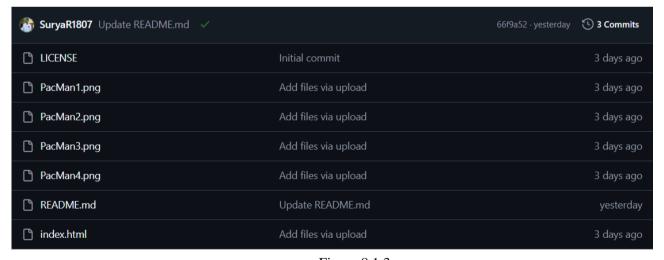


Figure 8.1.3

SuryaR1807 Update README.md 🗸		87df07c · yesterday	© 3 Commits
LICENSE	Initial commit		yesterday
PacMan1.png	Add files via upload		yesterday
PacMan2.png	Add files via upload		yesterday
PacMan3.png	Add files via upload		yesterday
PacMan4.png	Add files via upload		yesterday
☐ README.md	Update README.md		yesterday
index.html	Add files via upload		yesterday

Figure 8.1.4

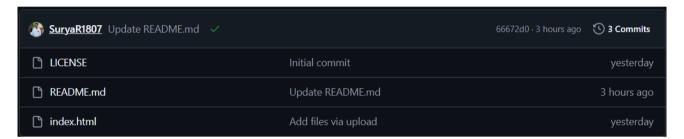


Figure 8.1.5

SuryaR1807 Update README.md ✓		ec39a7a · 2 hours ago	🕓 3 Commits
LICENSE	Initial commit		2 hours ago
🖺 README.md	Update README.md		2 hours ago
🖰 hanoi,js	Add files via upload		2 hours ago
index.html	Add files via upload		2 hours ago
🖰 style.css	Add files via upload		2 hours ago
🖰 tower.js	Add files via upload		2 hours ago

Figure 8.1.6

SuryaR1807 Update README.md 🗸		0eb6dc7 · 2 hours ago	3 Commits
LICENSE	Initial commit		3 hours ago
☐ README.md	Update README.md		2 hours ago
🖰 boston.js	Add files via upload		3 hours ago
index.html	Add files via upload		3 hours ago
index.js	Add files via upload		3 hours ago

Figure 8.1.7

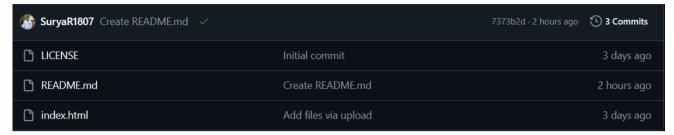


Figure 8.1.8

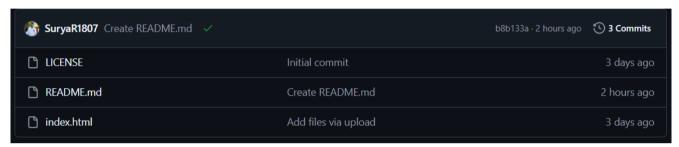


Figure 8.1.9

Description:

This above Figures 8.1.1, 8.1.2, 8.1.3, 8.1.4, 8.1.5, 8.1.6, 8.1.7, 8.1.8, 8.1.9 shows GitHub File Structure in desktop.