

PORTFOLIO PROJECT

Submitted by

SANTHOSH S

Reg. No: 1P23MC050

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Under the Internal Supervision of

Mrs. K. Swathy

Faculty

School of Computer Studies-MCA



Master of Computer Applications,

Rathnavel Subramaniam College of Arts and Science (Autonomous),

Sulur, Coimbatore – 641 402

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RATHNAVEL SUBRAMANIAM COLLEGE OF ARTS AND SCIENCE

(AUTONOMOUS)

AFFILIATED TO BHARATHIAR UNIVERSITY

NAAC Re-accredited & ISO 9000:2008 Certified

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Nov 2023

Register Number – 1P23MC050

Certified bona fide original record of work done by **SANTHOSH S**

Internal Supervisor

Director

Submitted for the project Evaluation and Viva voce held on.....

Internal Examiner

External Examiner

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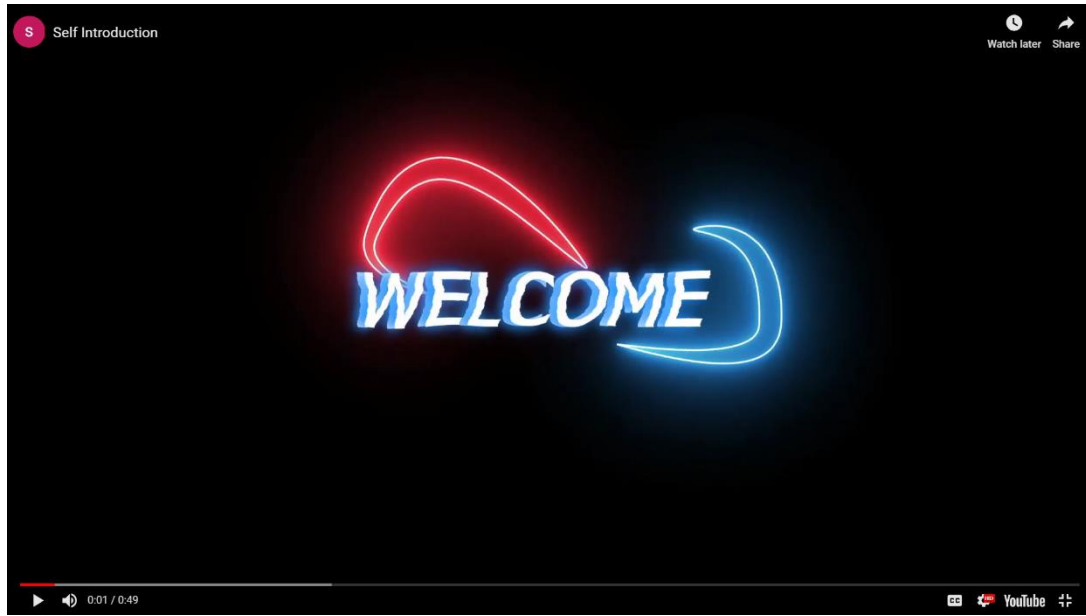
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PORTFOLIO PROJECT

CHAPTER 1:

Video introduction

1.1 Youtube video:



Description:

In this page you can see the self-introduction of mine, by clicking the play button you will know me more.

YOUTUBE LINK:

https://youtu.be/6ibDQurRrY8?si=J4TAuO_eCA-dZ6ZO

Source code:

HTML:

```
<iframe width="560" height="315"
src="https://www.youtube.com/embed/6ibDQurRrY8?si=D-mWJsRXZPHMFoed" title="YouTube
video player" frameborder="0"
    allow="accelerometer; autoplay; clipboard-write; encrypted-media;
gyroscope; picture-in-picture; web-share" allowfullscreen>
    Self Intro</iframe>
```

CHAPTER 2:

WEBSITE BIO SCORE:

2.1 ABOUT ME

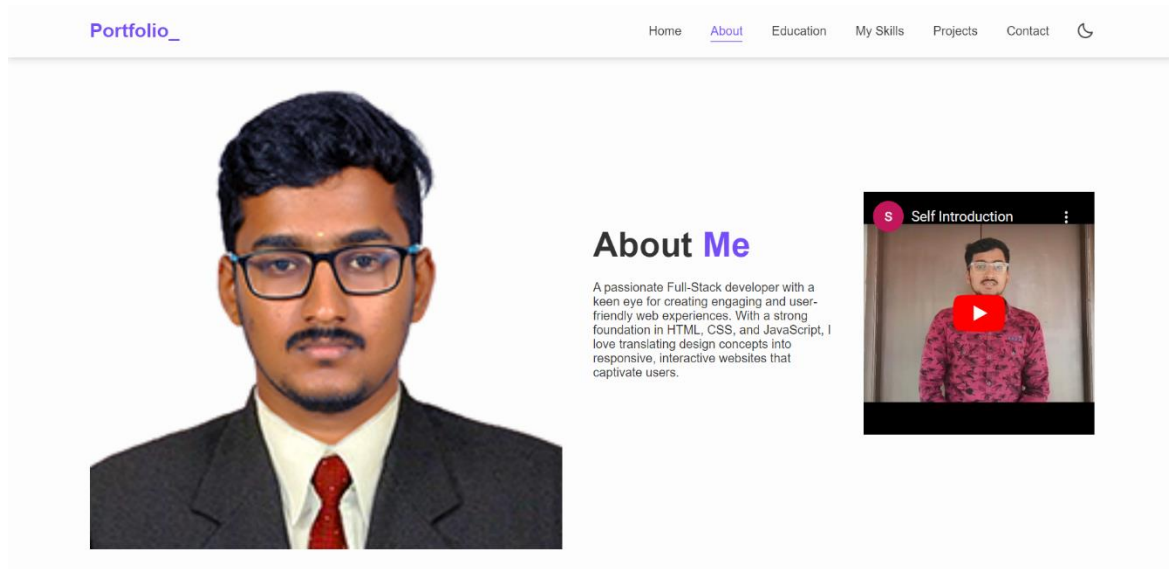


figure 2.1.1

Description:

In this page, there is an Image of mine, paragraph about me and also an option called to view my Resumea . So, that if any user want to see the resume they can directly download from here.

HTML FILE:

```
<section class="about" id="about">
  <div class="about-img">
    
  </div>
  <div class="about-content">
    <h2 class="heading">About <span>Me</span></h2>

    <p>A passionate Full-Stack developer with a keen eye for creating
engaging and user-friendly web experiences. With a strong foundation in HTML, CSS,
```

and JavaScript, I love translating design concepts into responsive, interactive websites that captivate users.</p>

</div>

<iframe width="560" height="315"

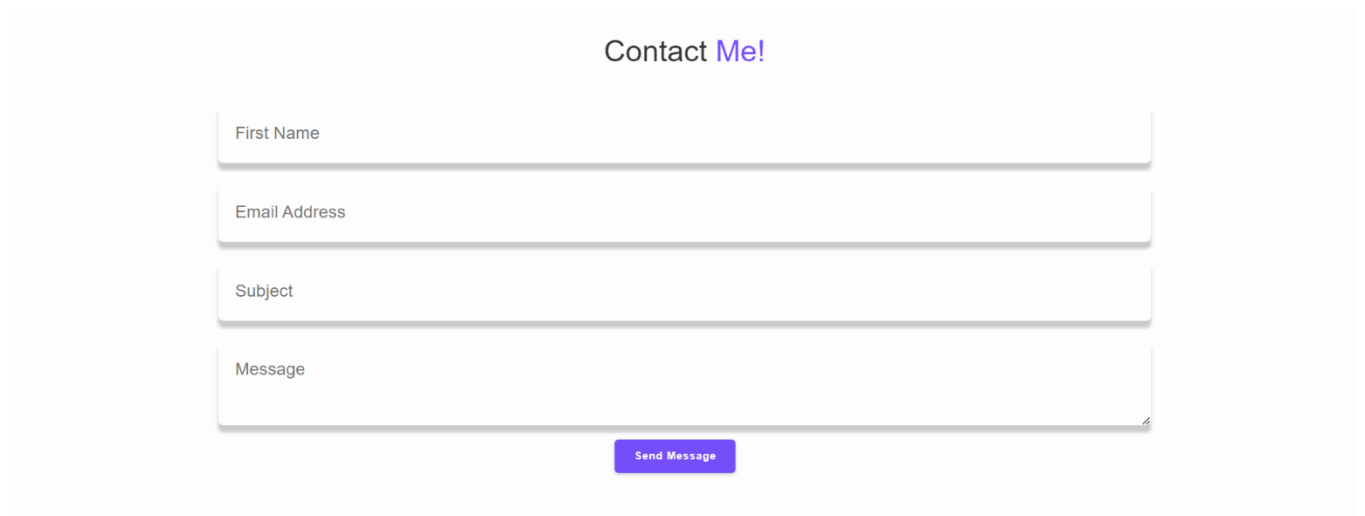
src="https://www.youtube.com/embed/6ibDQurRrY8?si=D-mWJsRXZPHMFoed" title="YouTube video player" frameborder="0" allow="accelerometer; autoplay; clipboard-write; encrypted-media; gyroscope; picture-in-picture; web-share" allowfullscreen>Self Intro</iframe>

</section>

CSS:

```
.about{
  display: flex;
  justify-content: center;
  align-items: center;
  gap: 4rem;
}
.about-img img{
  width: 40vw;
}
.heading{
  font-size: 4.5rem;
  text-align: center;
}
.about-content h2{
  text-align: left;
  line-height: 1.2;
}
.about-content h3{
  font-size: 2rem;
}
.about-content p{
  font-size: 1.6rem;
  margin: 2rem 0 3rem;
}
```

2.2 Contact Information



The image shows a contact form titled "Contact Me!". It contains four input fields stacked vertically: "First Name", "Email Address", "Subject", and "Message". Below these fields is a purple button labeled "Send Message". The form is styled with a light gray background and rounded corners.

figure 2.2.1

Description:

The above displayed figure 2.2.1 is a contact page in the website. If the user wants to contact me, they can fill the form with their valid details.

HTML:

```
<!-- Contact section design -->
<section class="contact" id="contact">
  <h2 class="heading">Contact <span>Me!</span></h2>
<form action="" class="contact__form" id="contact-form">
  <div class="contact__group">
    <div class="contact__box">
      <label for="name" class="contact__label"></label>
      <input type="text" name="user_name" class="contact__input" id="name"
required placeholder="First Name">
    </div>

    <div class="contact__box">
      <label for="email" class="contact__label"></label>
      <input type="email" name="user_email" class="contact__input"
id="email" required placeholder="Email Address">
    </div>
```



```

    </div>
    <div class="contact__box">
        <label for="subject" class="contact__label"></label>
        <input type="text" name="user_subject" class="contact__input"
id="subject" required placeholder="Subject">
    </div>

    <div class="contact_box contact_area">
        <label for="message" class="contact__label"></label>
        <textarea name="user_message" id="message" class="contact__input" required
placeholder="Message"></textarea>
    </div>

    <p class="contact__message" id="contact-message"></p>

    <button type="submit" class="btn">
        <i class="ri-send-plane-fill"></i>Send Message
    </button>

    </form>

</section>

```

CSS FILE:

```

.contact h2 {
    margin-bottom: 3rem;
}
.contact__form {
    max-width: 140rem;
    margin: 1rem auto;
    text-align: center;
    margin-bottom: 3rem;
}
.contact__group {
    display: flex;

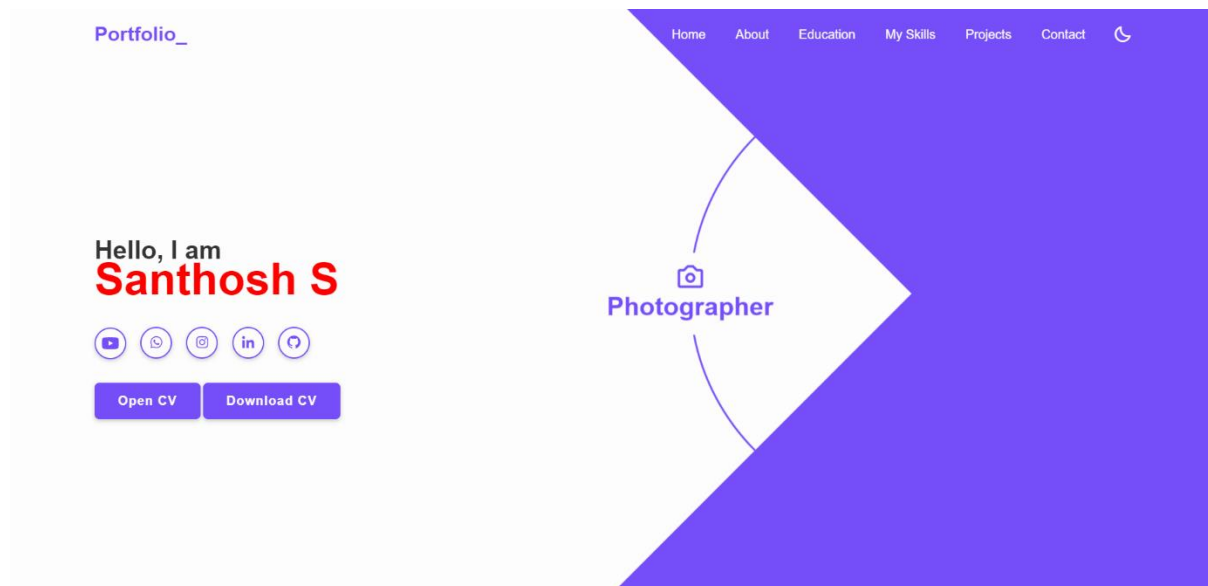
```

```
    justify-content: space-between;
    flex-wrap: wrap;
}
.contact form .contact__input, .contact__textarea {
    width: 140rem;
    padding: 2.5rem;
    font-size: 2.6rem;
    color: var(--text-color);
    background: var(--bg-color);
    border-radius: .8rem;
    margin: .7rem 0;
    box-shadow: 0 1rem .5rem var(--shadow-color);
}
.contact__input {
    width: 59%;
}
.contact__textarea {
    resize: none;
}
.contact btn {
    margin-top: 4rem;
    cursor: pointer;
}
```

CHAPTER 3:

PAGES AND NAVIGATION:

3.1 Landing page:



figures 3.1.1

Description:

The above figures 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 shown as figures 3.1.1.

HTML FILE:

```
<header class="header">
  <a href="#" class="logo">Portfolio_</a>
  <nav class="navbar">
    <a href="#home" class="active">Home</a>
    <a href="#about">About</a>
    <a href="#education">Education</a>
    <a href="#skills">My Skills</a>
    <a href="#project">Projects</a>
    <a href="#contact">Contact</a>
```

```

    </nav>

    <div class="bx bx-moon" id="darkmood-icon"></div>
    <div class="bx bx-menu" id="menu-icon"></div>
</header>

<!-- home section design -->
<section class="home" id="home">
    <div class="home-content">
        <h3>Hello, I am</h3>
        <h1>Santhosh S</h1>

        <div class="social-media">
            <a href="https://youtu.be/6ibDQurRrY8?si=euZjItLDs0zntiSI"><i
class='fab fa-youtube'></i></a>
            <a href="https://wa.me/qr/ICDBYVCXTWXRK1"><i class='bx bxl-
whatsapp'></i></a>
            <a
href="https://instagram.com/i_n_s_t_r_o_n_.m_.a_.d_.d_.y?igshid=OGQ5ZDc2ODk2ZA==">
<i class='bx bxl-instagram' ></i></a>
            <a href="https://www.linkedin.com/in/santhosh-s-832596250/"><i
class='bx bxl-linkedin' ></i></a>
            <a href="https://github.com/SANTHOSHS-MCA23"><i class='bx bxl-
github' ></i></a>
        </div>

        <a href="https://santhoshs-mca23.github.io/RESUMEA/" class="btn">Open
CV</a>

        <a href="./resume/SANTHOSH MCA.pdf" class="btn">Download CV</a>
    </div>
    <div class="profession-container">
        <div class="profession-box">
            <div class="profession" style="--i:0;">
                <i class='bx bx-code'></i>
                <h3>Web Developer</h3>
            </div>
            <div class="profession" style="--i:1;">
                <i class='bx bx-camera' ></i>

```

```

        <h3>Photographer</h3>
    </div>

    <div class="profession" style="--i:2;">
        <i class='bx bx-palette' ></i>
        <h3>Web Designer</h3>
    </div>

    <div class="profession" style="--i:3;">
        <i class='bx bx-video-recording' ></i>
        <h3>Videographer</h3>
    </div>

    <div class="circle"></div>
</div>

<div class="overlay">
</div>
</div>
</section>
<!-- home section ends -->

```

CSS FILE:

```

* home */

header{
    position: fixed;
    top: 0;
    left: 0;
    width: 100%;
    padding: 2rem 7%;
    background: transparent;
    display: flex;
    align-items: center;
    z-index: 100;
}

```

```

    transition: .1s;
}
.header.sticky{
    background: var(--bg-color);
    box-shadow: 0 .1rem 1rem var(--shadow-color);
}
.logo{
    font-size: 2.5rem;
    color: var(--main-color);
    font-weight: 600;
    cursor: default;
    margin-right: auto;
}
.navbar a{
    position: relative;
    font-size: 1.6rem;
    color: var(--white-color);
    font-weight: 500;
    margin-right: 3.5rem;
}
.header.sticky .navbar a{
    color: var(--main-color);
}
.header.sticky .navbar a.active{
    color: var(--main-color);
}
.navbar a.active::before{
    content: '';
    position: absolute;
    left: 0;
    bottom: -6px;
    width: 100%;
    height: .2rem;
    background: var(--main-color);
}
.header.sticky .navbar a::before{

```

```

    background: var(--main-color);
    opacity: .7;
}
#darkmood-icon{
    font-size: 2.4rem;
    color: var(--white-color);
    cursor: pointer;
}
.header.sticky #darkmood-icon{
    color: var(--text-color);
    opacity: .9;
}
#menu-icon{
    font-size: 3.6rem;
    color: var(--text-color);
    display: none;
}
section{
    min-height:100vh;
    padding: 10rem 7% 2rem;
}
.home{
    display: flex;
    align-items: center;
}
.home .home-content{
    max-width: 44rem;
}
.home-content h3{
    font-size: 3.2rem;
    font-weight: 700;
    line-height: .3;
}
.home-content h1{
    font-size: 5.6rem;
    font-weight: 700;
}

```

```

    margin-bottom: .3rem;
    color: red;
}
.home-content p{
    font-size: 1.6rem;
}
.home-content .social-media a{
    display: inline-flex;
    justify-content: center;
    align-items: center;
    width: 4rem;
    height: 4rem;
    background: transparent;
    border: .2rem solid var(--main-color);
    border-radius: 50%;
    box-shadow: 0 .2rem .5rem var(--shadow-color);
    font-size: 2rem;
    color: var(--main-color);
    margin: 2.5rem 1.5rem 3rem 0;
    transition: .5s ease;
}
.home-content .social-media a:hover{
    background-color: var(--main-color);
    color: var(--white-color);
}
.btn{
    display: inline-block;
    padding: 1.2rem 2.8rem;
    background: var(--main-color);
    border-radius: .6rem;
    box-shadow: 0 .2rem .5rem var(--shadow-color);
    font-size: 1.6rem;
    color: var(--white-color);
    letter-spacing: .1rem;
    font-weight: 600;
    border: .2rem solid transparent;

```



```

    transition: .5s ease;
}
.btn:hover{
    background: transparent;
    color: var(--main-color);
    border-color: var(--main-color);
}
.home .profession-container{
    position: absolute;
    top: 50%;
    right: 0;
    transform: translateY(-50%);
    width: 786px;
    height: 786px;
    overflow: hidden;
    pointer-events: none;
}
.home .profession-container .profession-box{
    position: absolute;
    top: 0;
    right: 0;
    width: 768px;
    height: 768px;
    border-radius: 50%;
    display: flex;
    justify-content: center;
    align-items: center;
    animation: professionRotate 8s ease-out infinite;
}
@keyframes professionRotate{
    0%,20%{
        transform: rotate(0deg)
    }
    25%,45%{
        transform: rotate(-90deg)
    }
}

```

```

50%,70%{
    transform: rotate(-180deg)
}
75%,95%{
    transform: rotate(-270deg)
}
100%{
    transform: rotate(-360deg)
}
}
.home .profession-box .profession{
    position: absolute;
    display: flex;
    left: 0;
    align-items: center;
    flex-direction: column;
    color: var(--main-color);
    transform: rotate(calc(360deg / 4 * var(--i)));
    transform-origin: 384px;
    background: var(--bg-color);
    padding: 13px 0;
}
.home .profession-box .profession:nth-child(1) i{
    margin-right: 15px;
}
.home .profession-box .profession:nth-child(2),
.home .profession-box .profession:nth-child(4) {
    padding-bottom: 20px;
}
.home .profession i{
    font-size: 3.8rem;
}
.home .profession h3{
    font-size: 3.2rem;
    line-height:1 ;
}

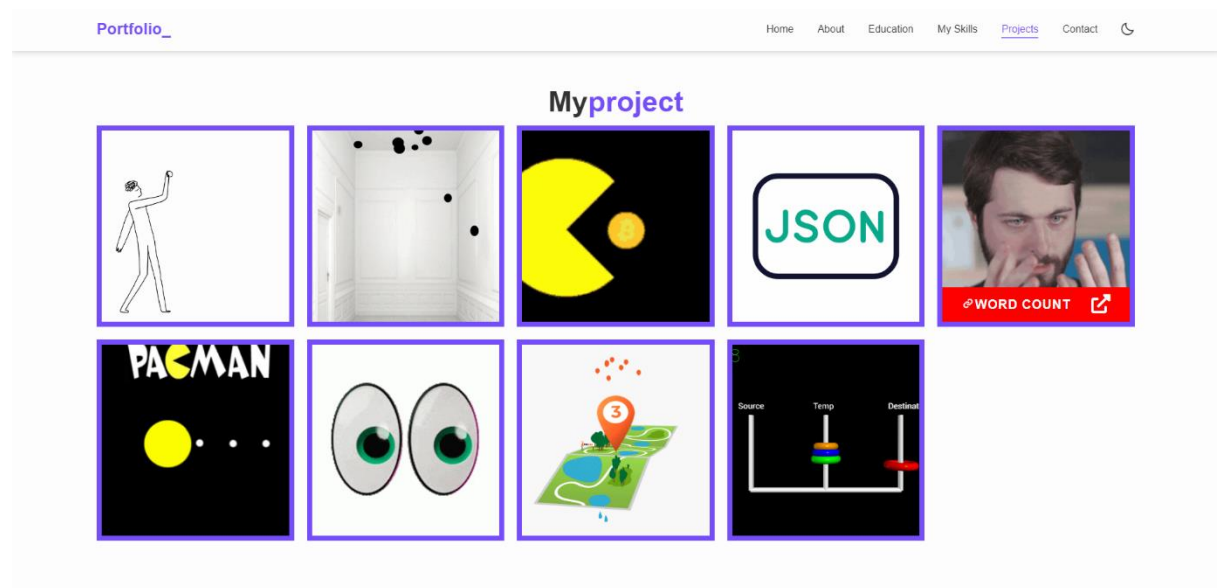
```

```

    font-weight: 600;
}
.home .profession-box .circle{
    width: 560px;
    height: 560px;
    border: 3px solid var(--main-color);
    border-radius: 50%;
}
.home .profession-container .overlay{
    position: absolute;
    top: 0;
    right: 0;
    width: 0;
    height: 0;
    border-top: 384px solid var(--main-color);
    border-right: 384px solid var(--main-color);
    border-bottom: 384px solid var(--main-color);
    border-left: 384px solid transparent;
}
.home-img img{
    position: absolute;
    bottom: 0;
    right: 0;
    width: 50%;
    top: 100px;
    pointer-events: none;
}
/* header */

```

3.2 PROJECT PAGE:



HTML FILE:

```
<section class="project" id="project">
  <h1 class="heading">My<span>project</span></h1>
  &nbsp;

  <div class="box-container">
    <div class="box">
      <div class="image">
        
      <div class="content">
        <a href=" https://santhoshs-mca23.github.io/Week_1-CrossBall/"><h2><i
class='bx bx-link' ></i>BALL MOVEMENT &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;</h2></a>
        <a href="https://github.com/SANTHOSHS-MCA23/Week_1-CrossBall"><h3><i
class="fas fa-external-link-alt"></i></h3></a>
      </div>
    </div>
  </div>

  <div class="box">
    <div class="image">
```

[illegible]

```

        <a href="https://santhoshs-mca23.github.io/Week_5_Words-count/"> <h2><i
class='bx bx-link' ></i>WORD COUNT &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;</h2></a>
        <a href="https://github.com/SANTHOSHS-MCA23/Week_5_Words-count"><h3><i
class="fas fa-external-link-alt"></i></h3></a>
    </div>
</div>
</div>
<div class="box">
    <div class="image">
        
        <div class="content">
            <a href="https://santhoshs-mca23.github.io/Week_6_Packman-game/"> <h2><i
class='bx bx-link' ></i>PACMAN &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;</h2></a>
            <a href="https://github.com/SANTHOSHS-MCA23/Week_6_Packman-game"><h3><i
class="fas fa-external-link-alt"></i></h3></a>
        </div>
    </div>
</div>

<div class="box">
    <div class="image">
        
        <div class="content">
            <a href="https://santhoshs-mca23.github.io/Week_7-Eye-rotation/"><h2><i
class='bx bx-link' ></i>EYE MOVEMENT &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;</h2></a>
            <a href="https://github.com/SANTHOSHS-MCA23/Week_7-Eye-rotation"><h3><i
class="fas fa-external-link-alt"></i></h3></a>
        </div>
    </div>
</div>
<div class="box">
    <div class="image">
        
        <div class="content">
            <a href="https://santhoshs-mca23.github.io/Week_8_Map-Animation/"><h2><i
class='bx bx-link' >MAP &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;</i></h2></a>

```

```

<a href="https://github.com/SANTHOSHS-MCA23/Week_8_Map-Animation"><h3><i
class="fas fa-external-link-alt"></i></h3></a>
</div>
</div>
</div>
<div class="box">
<div class="image">

<div class="content">
<a href="https://santhoshs-mca23.github.io/Week_9_Tower-Game/"><h2><i
class='bx bx-link' ></i>TOWERS &nbsp;&nbsp;&nbsp;</h2></a>
<a href="https://github.com/SANTHOSHS-MCA23/Week_9_Tower-Game"><h3><i
class="fas fa-external-link-alt"></i></h3></a>
</div>
</div>
</div>
</div>
</section>

```

CSS:

```
.project .box-container .box .image {
    height: 30rem;
    overflow: hidden;
    position: relative;
}

.project .box-container .box .image img {
    width: 100%;
    height: 100%;
    object-fit: cover;
}

.project .box-container {
    display: grid;
    grid-template-columns: repeat(auto-fit, minmax(30rem, 1fr));
}
```

```

    gap: 2rem;
}

.project .box-container .box {
  background-color: var(--main-color);
  padding: 0.8rem;
  box-shadow: var(--box-shadow);
}

.project .box-container .box:hover .image img {
  transform: scale(1.2);
}

.project .box-container .box .image .content {
  position: absolute;
  left: 0;
  bottom: 0;
  right: 0;
  background-color: red;
  padding: 1rem;
  display: flex;
  align-items: center;
  justify-content: center;
  transform: translateY(100%);
}

.project .box-container .box .image .content h2 {
  font-size: 2rem;
  color: var(--white-color);
  letter-spacing: 0.1rem;
  text-transform: uppercase;
}

.project .content h3 {
  font-size: 3rem;
  color: var(--white-color);
  letter-spacing: 0.1rem;
}

```



```

float: right;
text-transform: uppercase;
}
.project .box-container .box:hover .image .content {
transform: translateY(0);
}

```

3.3 Navigation Bar:



Desktop View

figure-3.3.1

HTML FILE:

```

<!-- header section starts -->
<header class="header">
  <a href="#" class="logo">Portfolio_</a>
  <nav class="navbar">
    <a href="#home" class="active">Home</a>
    <a href="#about">About</a>
    <a href="#education">Education</a>
    <a href="#skills">My Skills</a>
    <a href="#project">Projects</a>
    <a href="#contact">Contact</a>
  </nav>
<!-- header section ends -->

```

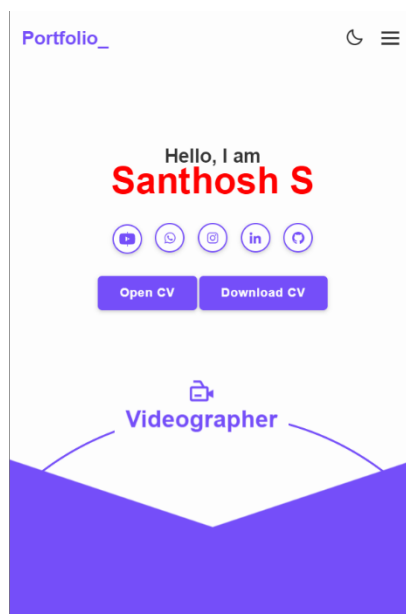
CSS FILE:

```
header{
  position: fixed;
  top: 0;
  left: 0;
  width: 100%;
  padding: 2rem 7%;
  background: transparent;
  display: flex;
  align-items: center;
  z-index: 100;
  transition: .1s;
}
.header.sticky{
  background: var(--bg-color);
  box-shadow: 0 .1rem 1rem var(--shadow-color);
}
.logo{
  font-size: 2.5rem;
  color: var(--main-color);
  font-weight: 600;
  cursor: default;
  margin-right: auto;
}
.navbar a{
  position: relative;
  font-size: 1.6rem;
  color: var(--white-color);
  font-weight: 500;
  margin-right: 3.5rem;
}
.header.sticky .navbar a{
  color: var(--main-color);
}
.header.sticky .navbar a.active{
```

```

    color: var(--main-color);
}
.navbar a.active::before{
    content: '';
    position: absolute;
    left: 0;
    bottom: -6px;
    width: 100%;
    height: .2rem;
    background: var(--main-color);
}
.header.sticky .navbar a::before{
    background: var(--main-color);
    opacity: .7;
}

```



(Mobile view sample for one background image)

Figure 3.3.2

Description:

The above figures 3.3.2 are the screenshot of Homepage in a Mobile view. And this is a home screen of the portfolio which shows the landing page with my resume and self-introduction video. which shown as figure3.3.2

3.3.3 Navigation Bar

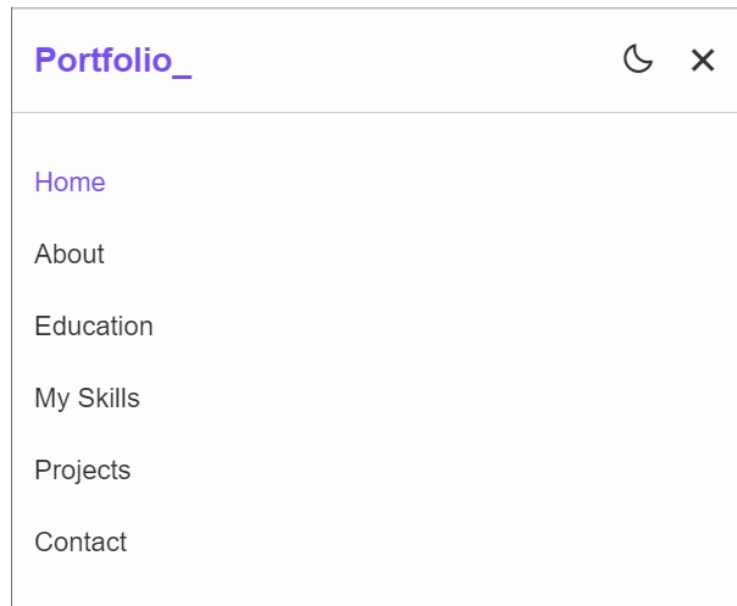


Figure -3.3.3 (mobile view)

Description:

The figure-3.3.3 are the samples of navigation bar in both mobile View. This was a user-friendly method only, so the user can easily use the features.

Features:

There are many styles are added. Whenever the user move lists to the navigation bar it will change the color to goldenrod. And also the navigation bar will be stable in the same position, even we switch to any other pages.

Source

Code:

CSS:

```
@media (max-width:1200px){  
  html{  
    font-size: 55%;  
  }  
  .home .profession-container{
```

```

        height: 85.8rem;
    }
    .home .profession-container .profession-box{
        right: -12rem;
        height: 85.8rem;
    }
    .home .profession-container .overlay{
        right: -9rem;
    }
}

@media(max-width:1024px){
    .header{
        padding: 2rem 3%;
    }
    section{
        padding: 10rem 3% 2rem;
    }
    .home .profession-container .profession-box{
        right: -22rem;
    }
    .home .profession-container .overlay{
        right: -15rem;
    }
}

@media(max-width:991px){
    .navbar a:nth-child(0),
    .navbar a:nth-child(1){
        color: var(--main-color);
    }
    .navbar a.active::before{
        background: var(--main-color);
        opacity: .7;
    }
    .home .home-content{

```

```

        max-width: 50rem;
    }
    .home .profession-container .profession-box{
        right: -45rem;
    }
    .home .profession-container .overlay{
        right: -39.5rem;
    }
    .home-img img{
        display: none;
    }
    .skills .project{
        padding-bottom: 7rem;
    }
    .contact{
        min-width: auto;
    }
    .footer{
        padding: 2rem 3%;
    }
}
@media(max-width:768px){
    #menu-icon{
        display: block;
    }
    #darkmood-icon{
        position: absolute;
        right: 7rem;
        font-size: 2.6rem;
        color: var(--text-color);
        margin-bottom: .1rem;
    }
    .navbar{
        position: absolute;
        top: 100%;
        left: 0;
    }

```

```

    width: 100%;
    padding: 1rem 3%;
    background: var(--bg-color);
    border-top: .1rem solid rgba(0,0,0, .2);
    box-shadow: 0 .5rem 1rem solid rgba(0,0,0, .1);
    display: none;
}
.navbar.active{
    display: block;
}
.navbar a{
    display: block;
    font-size: 2rem;
    margin: 3rem 0;
    color: var(--text-color);
}
.navbar a:nth-child(1),
.navbar a:nth-child(2){
    color: var(--text-color);
}
.navbar a.active{
    color: var(--main-color);
}
.navbar a::before{
    display: none;
}
.home{
    padding: 0 3% 23rem;
    justify-content: center;
    text-align: center;
}
.home-content h3{
    font-size: 2.6rem;
}
.home-content h1{
    font-size: 5rem;
}

```

```

}
.home-content .social-media a{
    margin: 2.5rem .75rem 3rem;
}
.home .profession-container{
    left: 0;
    width: 100%;
    height: 100%;
}
.home .profession-container .profession-box{
    position: fixed;
    top: 60%;
    left: 0;
    border-radius: 0;
    width: 100%;
}
.home .profession-box .profession{
    padding: 0 13px;
    left: auto;
    transform-origin: 0;
}
.home .profession-box .profession:nth-child(1){
    transform: rotate(-90deg) translate(-120px,-210px);
}
.home .profession-box .profession:nth-child(1) i{
    margin-right: 0;
}
.home .profession-box .profession:nth-child(2){
    transform: rotate(0deg) translate(0,-335px);
}
.home .profession-box .profession:nth-child(3){
    transform: rotate(90deg) translate(-115px,-450px);
}
.home .profession-box .profession:nth-child(4){
    transform: rotate(180deg) translate(-220px,-335px);
}

```



```

.home .profession-box .circle{
    position: fixed;
    width: 670px;
    height: 670px;
    z-index: -1;
}
.home .profession-container .overlay{
    position: fixed;
    top: 70rem;
    left: 50%;
    right: 0;
    transform: rotate(90deg) translate(-50%, 50%) scaleY(3);
    border-width: 23.9rem;
}
.about{
    flex-direction: column-reverse;
    text-align: center;
}
.about-content h2{
    text-align: center;
}
.about-img img{
    width: 70vw;
    margin-top: -2rem;
}
.skills h2,
.project h2{
    margin-bottom: 6rem;
}
.project .project-container{
    grid-template-columns: repeat(2, 1fr);
}
}
@media(max-width:617px){
    .project .skills-container{
        grid-template-columns: 1fr;
    }
}

```

```

    }
}
@media(max-width:450px){
    html{
        font-size: 50%;
    }
    #darkmood-icon{
        right: 6rem;
    }
    .home{
        padding: 0 3% 30rem;
    }
    .home .profession-box .profession:nth-child(1){
        transform: rotate(-90deg) translate(-110px,-220px);
    }
    .home .profession-box .profession:nth-child(2){
        transform: rotate(0deg) translate(5px,-335px);
    }
    .home .profession-box .profession:nth-child(3){
        transform: rotate(90deg) translate(-105px,-440px);
    }
    .home .profession-box .profession:nth-child(4){
        transform: rotate(180deg) translate(-210px,-335px);
    }
    .contact form .input-box input{
        width: 100%;
    }
}
@media(max-width:365px){
    .about-img img{
        width: 90vw;
    }
    .footer p{
        flex-direction: column-reverse;
    }
    .footer p{

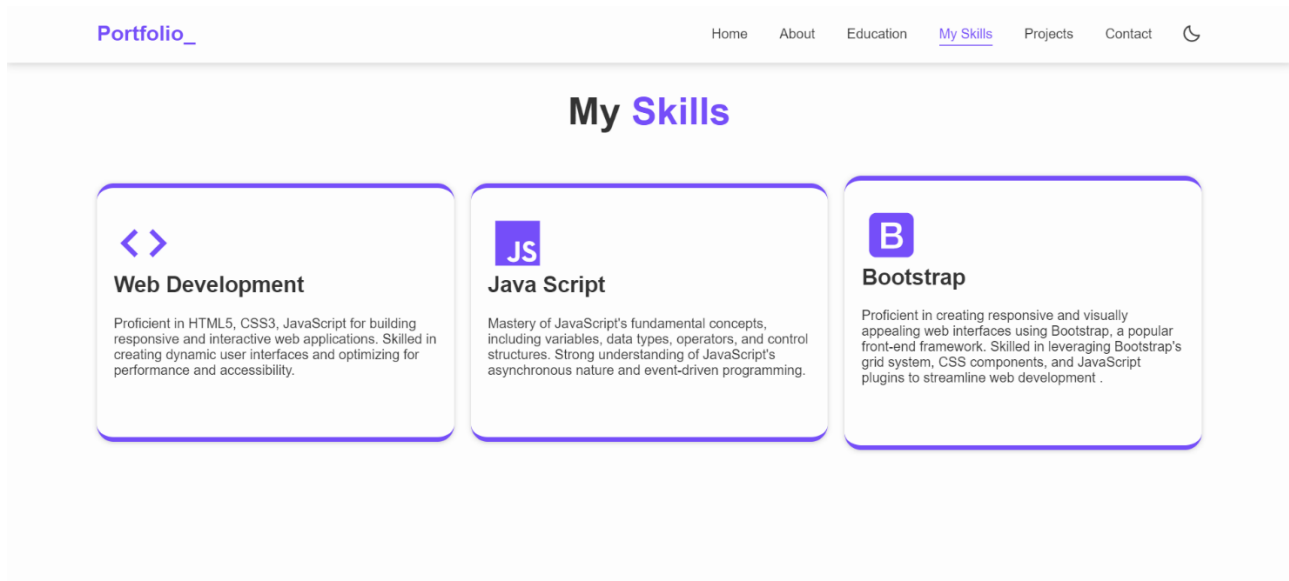
```

```

text-align: center;
margin-top: 2rem;
}
}

```

3.4.Skills:



Description:

The above figures are skill page, which contain a subdivision named PERSONAL SKILLS. Basically, it is an animation, when the user load the page it will load or fill the color in the bar from 0th position.

Source Code:

HTML:

```

<!-- Skill Start -->
<section class="skills" id="skills">
  <h2 class="heading">My <span>Skills</span></h2>

  <div class="skills-container">
    <div class="skills-box">
      <i class='bx bx-code'></i>
      <h3>Web Development</h3> <br>

```

```

    <p>Proficient in HTML5, CSS3, JavaScript for building responsive and
interactive web applications.

    Skilled in creating dynamic user interfaces and optimizing for
performance and accessibility. </p>
  </div>

  <div class="skills-box">
    <i class='bx bxl-javascript'></i>
    <h3>Java Script</h3> <br>

    <p>Mastery of JavaScript's fundamental concepts, including variables, data
types, operators, and control structures.

    Strong understanding of JavaScript's asynchronous nature and event-driven
programming. </p>
  </div>

  <div class="skills-box">
    <i class='bx bxl-bootstrap'></i>
    <h3>Bootstrap</h3> <br>

    <p>Proficient in creating responsive and visually appealing web interfaces
using Bootstrap, a popular front-end framework.

    Skilled in leveraging Bootstrap's grid system, CSS components, and
JavaScript plugins to streamline web development . </p>
  </div>
</div>
</section>

<!-- Skill End -->

```

CSS:

```

.skills{
  min-height: auto;
  padding-bottom: 7rem;
}
.skills h2{
  margin-bottom: 5rem;
}
.skills .skills-container{

```

```

    display: flex;
    justify-content: center;
    align-items: center;
    flex-wrap: wrap;
    gap: 2rem;
}
.skills-container .skills-box{
    flex: 1 1 30rem;
    background: var(--bg-color);
    padding: 3rem 2rem 4rem;
    border-radius: 2rem;
    box-shadow: 0 .1rem .5rem var(--shadow-color);
    border-top: .6rem solid var(--main-color);
    border-bottom: .6rem solid var(--main-color);
    transition: .1s ease;
}
.skills-container .skills-box:hover{
    box-shadow: 0 .1rem 2rem var(--shadow-color);
    transform: scale(1.08);
}
.skills-box i{
    font-size: 7rem;
    color: var(--main-color);
}
.skills-box h3{
    font-size: 2.6rem;
    transition: .5s ease;
}
.skills-box:hover h3{
    color: var(--main-color);
}
.skills-box p{
    font-size: 1.6rem;
    margin: 1rem 0 3rem;
}

```

CHAPTER 4:

STYLES LINK:

4.1 styles(font color images):

```
*{
  margin: 0;
  padding: 0;
  box-sizing: border-box;
  text-decoration: none;
  border: none;
  outline: none;
  scroll-behavior: smooth;
  font-family: 'Poppins', sans-serif;
}
:root{
  --bg-color:#fdfdfd;
  --text-color:#333;
  --main-color:#754ef9;
  --white-color:#fdfdfd;
  --shadow-color:rgba(0,0,0, .2);
}
.dark-mode{
  --bg-color:#0b061f;
  --text-color:#fdfdfd;
  --shadow-color:rgba(0,0,0, .7);
}
html{
  font-size: 62.5%;
  overflow-x: hidden;
}
body{
  background-color: var(--bg-color);
  color: var(--text-color);
}
```

4.2 styles links:

```
<!-- BOX ICONS -->
<link href='https://unpkg.com/boxicons@2.1.4/css/boxicons.min.css'
rel='stylesheet'>
<!-- ICON -->
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/6.4.0/css/all.min.css">
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/6.0.0-beta3/css/all.min.css">
<link rel="stylesheet" href="./styles.css">
```

CHAPTER 5:

Website include the following Information

5.1 project links to GitHub:

PROJECT -1

Title: SIMULATION BALL MOVEMENT

Link: https://santhoshs-mca23.github.io/Week_1-CrossBall/

➤ 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: GRAPHIC ANIMATION OF THE RANDOM WALK

Link: https://santhoshs-mca23.github.io/Week_2_ball-creation/

➤ Project Description:

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

PROJECT -3

Title: PACMAN MOVEMENT

Link: https://santhoshs-mca23.github.io/Week_3-pacman/

➤ 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-4

Title: BOSTON CITY DATA

Link: https://santhoshs-mca23.github.io/Week_4_Boston/

➤ Project Description:

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

PROJECT-5

Title: WORD COUNT

Link: https://santhoshs-mca23.github.io/Week_5_Words-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 -6

Title: RANDOM PACMAN

Link: https://santhoshs-mca23.github.io/Week_6_Packman-game/

➤ **Project Description:**

The HTML document creates a basic Pac-Man game with randomly generated Pac-Man characters that bounce off the container's boundaries and change mouth states while moving.

PROJECT -7

Title: EYE-BALL MOVING

Link : https://santhoshs-mca23.github.io/Week_7-Eye-rotation/

➤ **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-8

Title: ROUTE MAP

Link: https://santhoshs-mca23.github.io/Week_8_Map-Animation/

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-9

Title: TOWERS OF HANOI

Link: https://santhoshs-mca23.github.io/Week_9_Tower-Game/



➤ Project Description:

The Tower of Hanoi is a classic puzzle where the objective is to move a stack of disks from one peg to another .

CHAPTER 7:

Project README

PROJECT 1: BALL MOVEMENT

 README.md 

SIMULATION BALL MOVEMENT

Description:

This HTML page displays a continuous bouncing red ball animation within a rectangular area, controlled by JavaScript using the setInterval function with a 100-millisecond interval.

How to run the code:



Step 1: Save the HTML file with a .html extension.

Step 2: Install the Live Server extension in Visual Studio Code, then click the "Go Live" button at the bottom right corner of the VSCode window to open a new browser window displaying the ball-moving animation.

Future improvement:

consider adding user interaction features like mouse or keyboard control to change the ball's direction or speed, or adding obstacles or targets for the ball to interact with, creating a more engaging and interactive animation.

PROJECT 2: BOUNCING BALL

 README.md 

BOUNCING BALL

Description:

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

How to run the code:



Step1:Save the HTML file with a .html extension.

Step2:Click the "Go Live" button to open a new browser window displaying the Bouncing_Ball animation.

Future improvement:

consider integrating user interaction like click-and-drag functionality, customizable ball properties, and physics-based interactions, such as ball collisions, for a more engaging and interactive animation.

PROJECT 3: PACMAN

 README.md 

PACMAN

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.

How to run the code:



step1:Save the HTML file with .html extension.

step2:Click the "Go Live" button.A new browser window will open, displaying Pacman animation.

Future Improvemennnt:

consider adding obstacles or interactive elements within the container for Pac-Man to interact with, adding sound effects, or incorporating user controls for changing Pac-Man's direction and speed,enhancing the overall user experience.

PROJECT 4: BOSTON

 README.md 

BOSTON

Description:

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

How to run the code:



step1:Save the HTML file with .html extension.

step2:Click the "Go Live" button.A new browser window will open, displaying Boston data.

Future Enhancement:

Implementing a search or filter feature to allow users to specify custom criteria for identifying top earners within a larger dataset.

PROJECT 5: WORD COUNT

 README.md 

WORD COUNT

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.

How to run the code:



step1:Save the HTML file with .html extension.

step2:Click the "Go Live" button.A new browser window will open, displaying top 3 words.

Future Enhancements:

Implementing user interactivity to allow dynamic paragraph input. Adding the ability to customize the number of top words displayed.

PROJECT 6: RANDOM PACMAN

 README.md 

RANDOM PACMAN

Description:

The HTML document creates a basic Pac-Man game with randomly generated Pac-Man characters that bounce off the container's boundaries and change mouth states while moving.

How to run the code:

step1:Save the HTML file with .html extension.



step2:Click the "Go Live" button.A new browser window will open, displaying pacman-game.

Future Enhancements:

1)Add scoring and obstacles for increased complexity.

2)Incorporate user controls for interactive gameplay.

PROJECT 7: EYE MOVEMENT

 README.md 

EYE-BALL MOVING

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.

How to run the code:

step1:Save the HTML file with .html extension.



step2:Click the "Go Live" button.A new browser window will open, displaying EyeBall moving.

Future Enhancement:

1)Add facial expressions or animations to make the interactive face more engaging.

2)Implement user interaction, such as clicking on the eyes to trigger actions or reactions.

PROJECT 8: ROUTE MAP

 README.md 

ROUTE MAP

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.

How to run the code:

step1:Save the HTML file with .html extension.

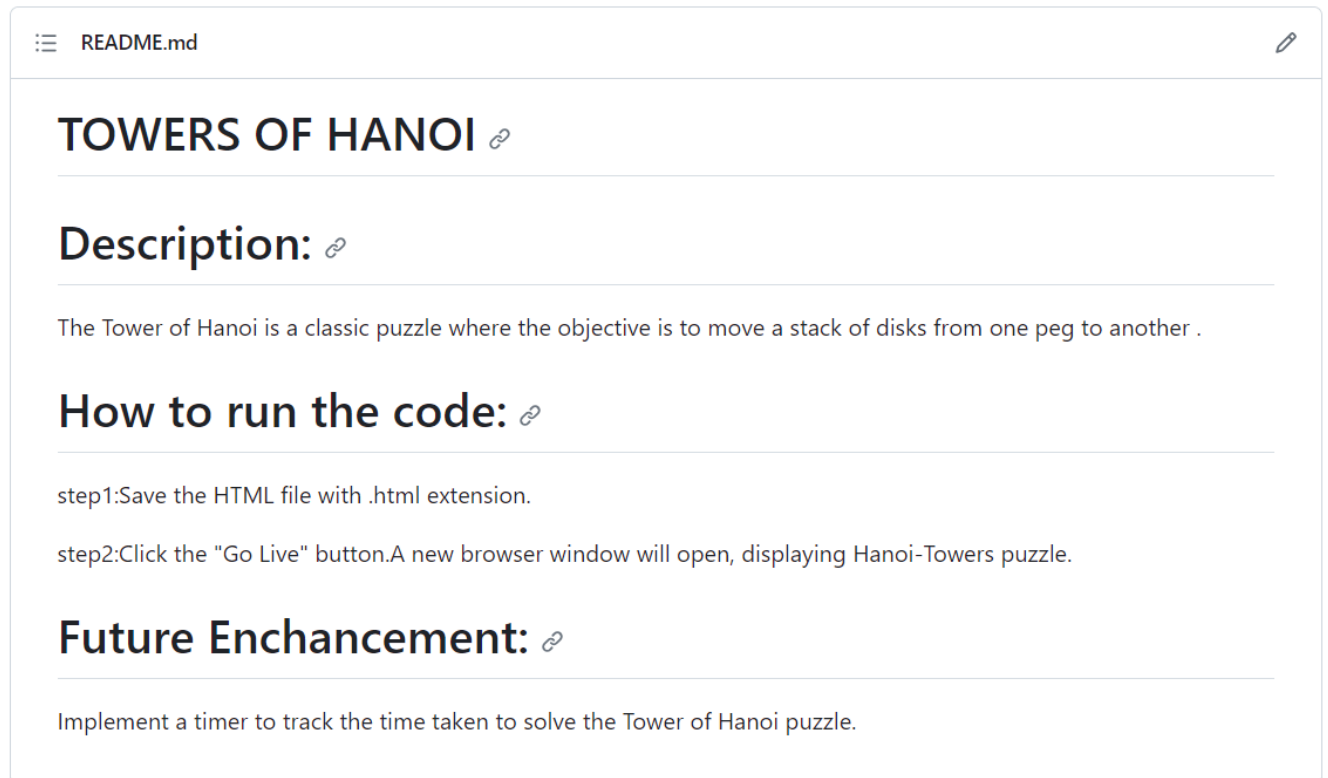
step2:Click the "Go Live" button.A new browser window will open, displaying map moving from one place to another place.

Future Enhancement:

1)Display real-time bus location data on the map for a more practical application.

2)Add interactive features like bus stop information on click or route selection options.

PROJECT 9: TOWER OF HANOI



Description:

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

CHAPTER 8:

File Structure

8.1 GitHub File Structure

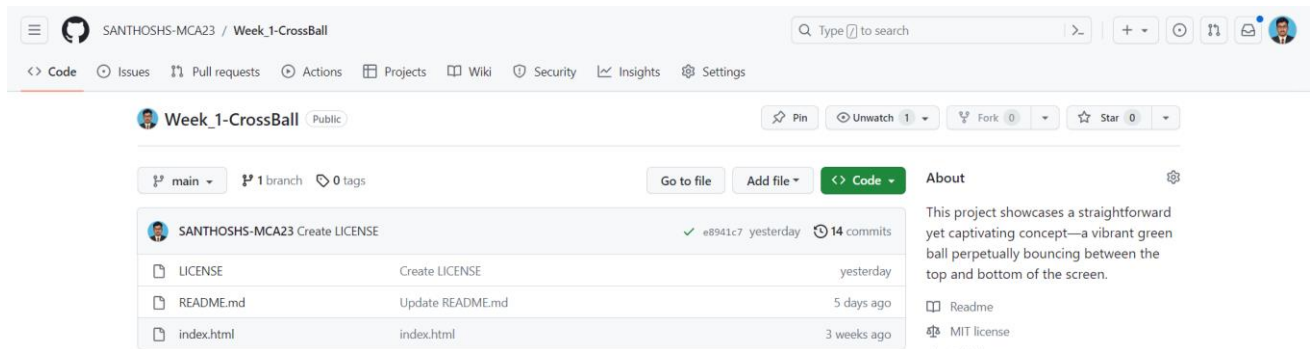


Figure 8.1.1

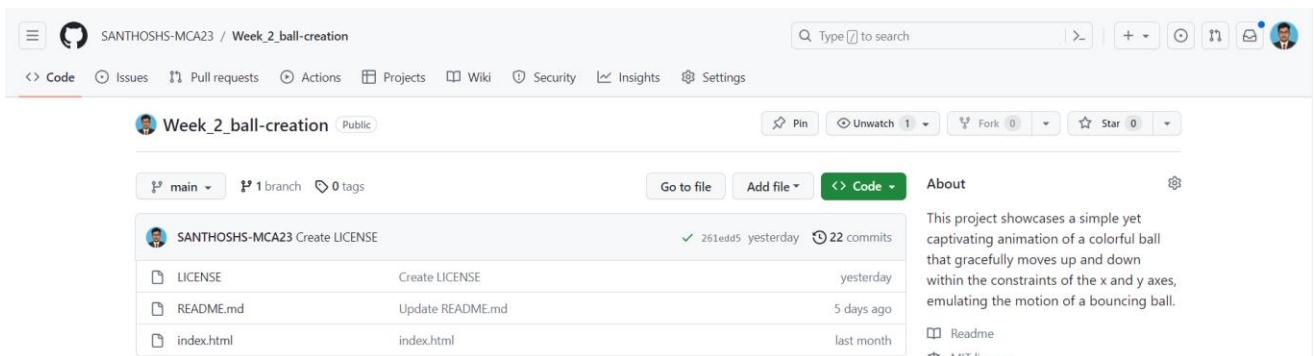


Figure 8.1.2

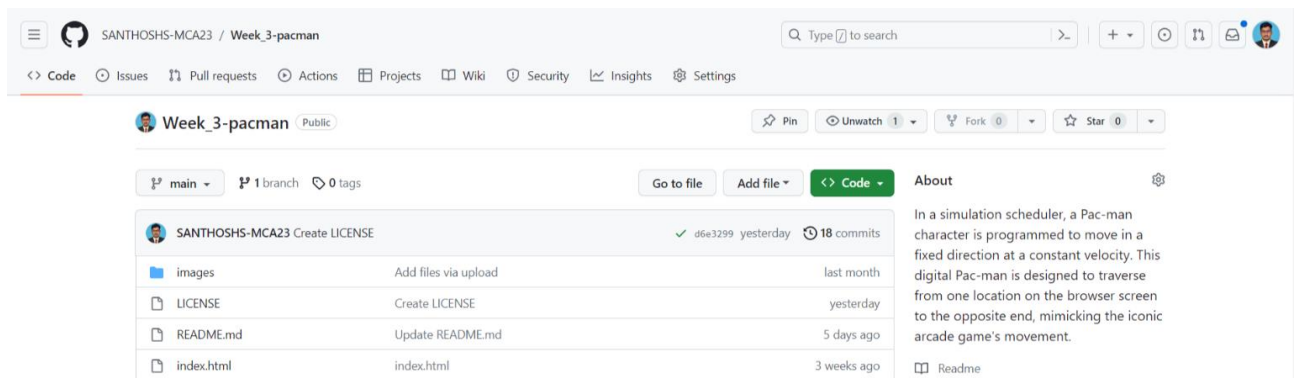


Figure 8.1.3

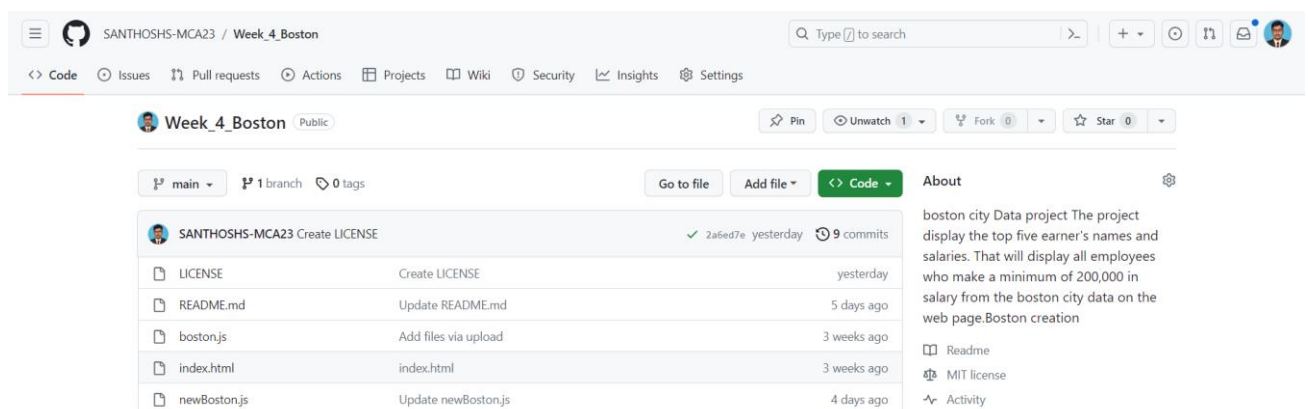


Figure 8.1.4

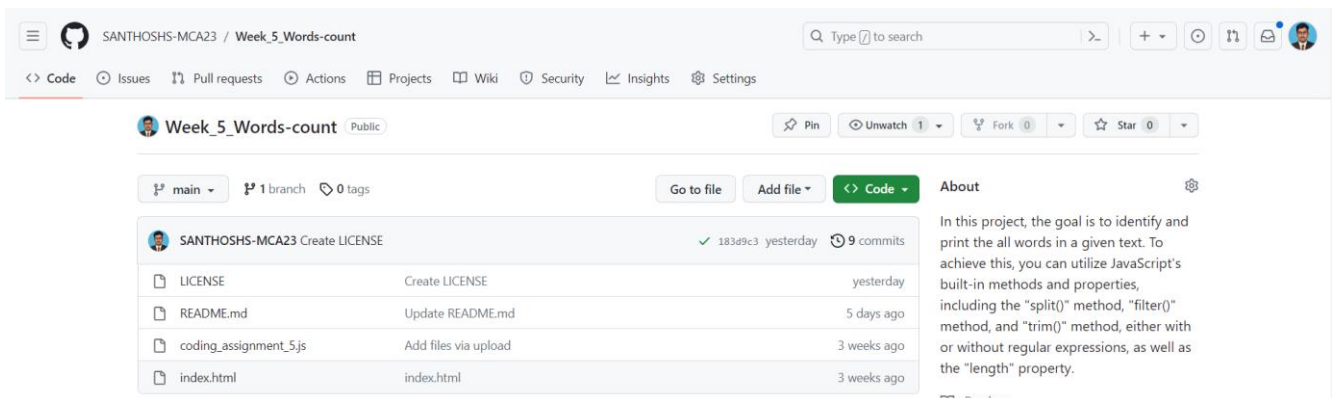


Figure 8.1.5

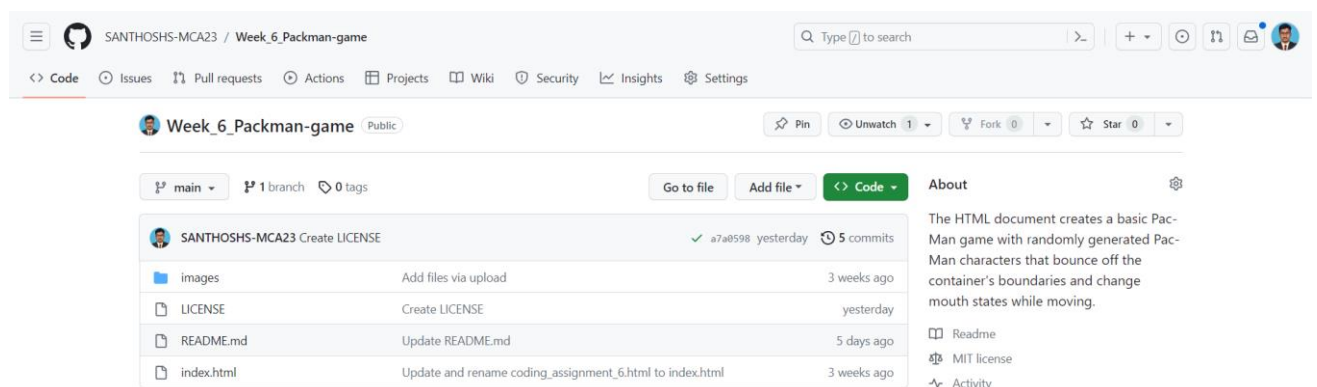


Figure 8.1.6

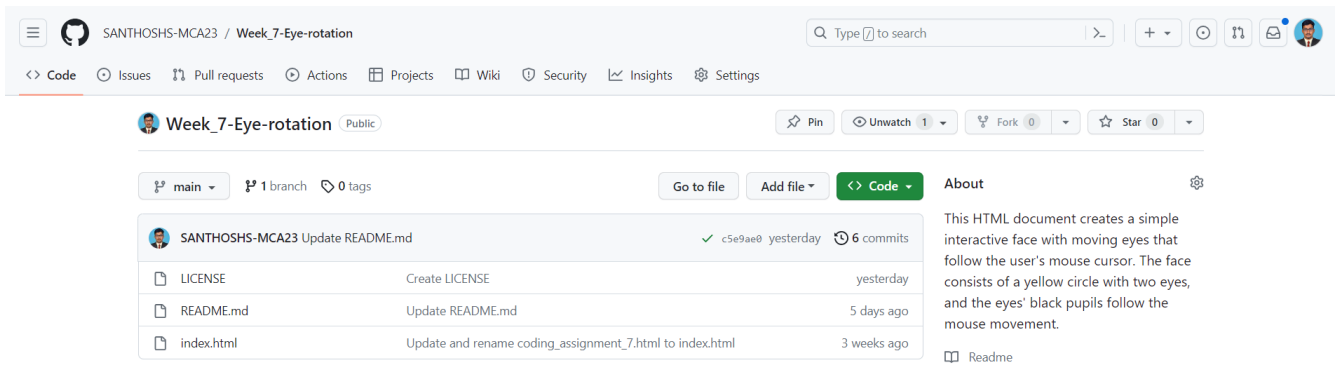


Figure 8.1.7

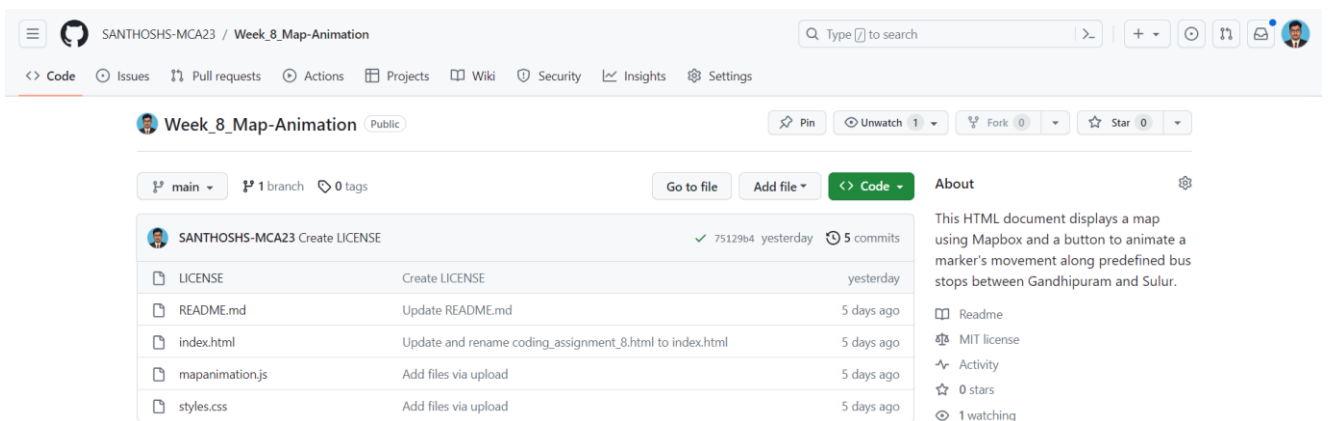


Figure 8.1.8

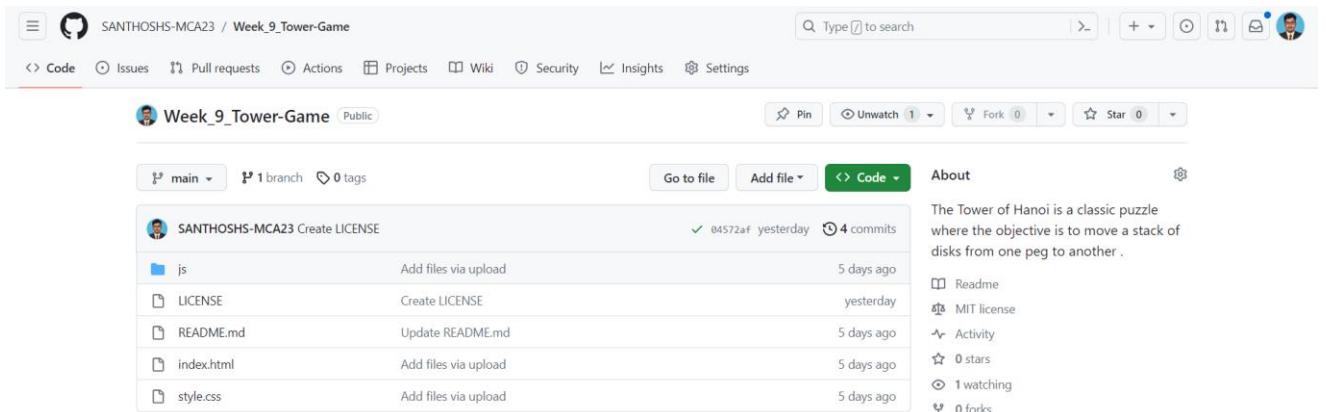


Figure 8.1.9

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 view.