

# **PORTFOLIOPROJECT**

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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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# PORTFOLIOPROJECT

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# CHAPTER-1

## Video Introduction

### 1.1 YouTube Video Introduction



#### Description:

In this video.I have introduced myself.

#### Source code:

##### HTML

```
<div class="self">
    <iframe width="560" height="315"
src="https://www.youtube.com/embed/oLF1sttLNIM?si=iSQTvEBYWfkSadzX"
        title="YouTube video player" frameborder="0" allow="accelerometer; autoplay;
clipboard-write;
        encrypted-media; gyroscope; picture-in-picture; web-share" allowfullscreen></iframe>
</div>
```

##### CSS

```
.self{
    display: flex;
    flex-direction: column;
    text-align: center;
    border-radius: 20px;
```

## CHAPTER-2

### Website Bio Score

#### 2.1 About me



#### Description

In this page, there is an Image of mine, paragraph about me and also an option called SKILLS and EDUCATION. So, that if any user wants to see the details, they can directly view by clicking the navigation.

#### Source code:

##### HTML

```
<div id="about">
<div class="container">
<div class="row">
<div class="about-col-1">

</div>
<div class="about-col-2">
<h1 class="sub-title">About Me</h1><br>
```

<p>Hello, i am ramalingam s from tirupur , I am a full stack devoloper. I can provide clean code and pixel prefer design. I also make the website & more interactive with web animations. A respective design makes your website accessiable to all users,regardless of their device</p>

```
<div class="tab-titles"><br><br>
<p class="tab-links active-link" onclick="opentab('skills')">Skills</p>
<p class="tab-links" onclick="opentab('education')">Education</p>
</div>

<div class="tab-contents active-tab" id="skills">
<ul>
<li><span>HTML&CSS</span><br></li>
<li><span>Javascript</span><br></li>
<li><span>Bootstrap</span><br></li>
<li><span>node.js</span> (using Express.js framework)</li>
<li><span>GitHub</span><br></li>
</ul>
</div>

<div class="tab-contents" id="education">
<ul>
<li><span>Master Of Computer Applications(MCA),2023-2025(pursuing)</span><br>Rathnavel Subramaniam (RVS) College of Arts and Science, Sulur, Coimbatore <br>
</li>
<li><span>Bachelor Of Computer Applications(BCA),2019-2022</span><br>PonnaiyahRamajeyam (PRIST) Deemed to be university, Thanjavur<br>percentage: 8.63 CGPA</li>
<li><span>HSC 2019 </span><br>CAMHSS SCHOOL,Kongu Main Road,Tirupur<br>percentage: 65.5%</li>
<li><span>SSLC 2017</span><br>CAMHSS SCHOOL,Kongu Main Road,Tirupur,<br>percentage: 86%%</li>
</ul>
</div>
</div>
</div>
</div>
</div>
```

## CSS

```
#about{
  padding: 80px 0;
  color: #ababab;
}

.row {
  display: flex;
  justify-content: space-between;
  flex-wrap: wrap;
}

.about-col-1 {
  flex-basis: 35%;
}

.about-col-1 img{
  width: 100%;
  border-radius: 15px;
}

.about-col-2{
  flex-basis: 60%;
  font-size: 30px;
}

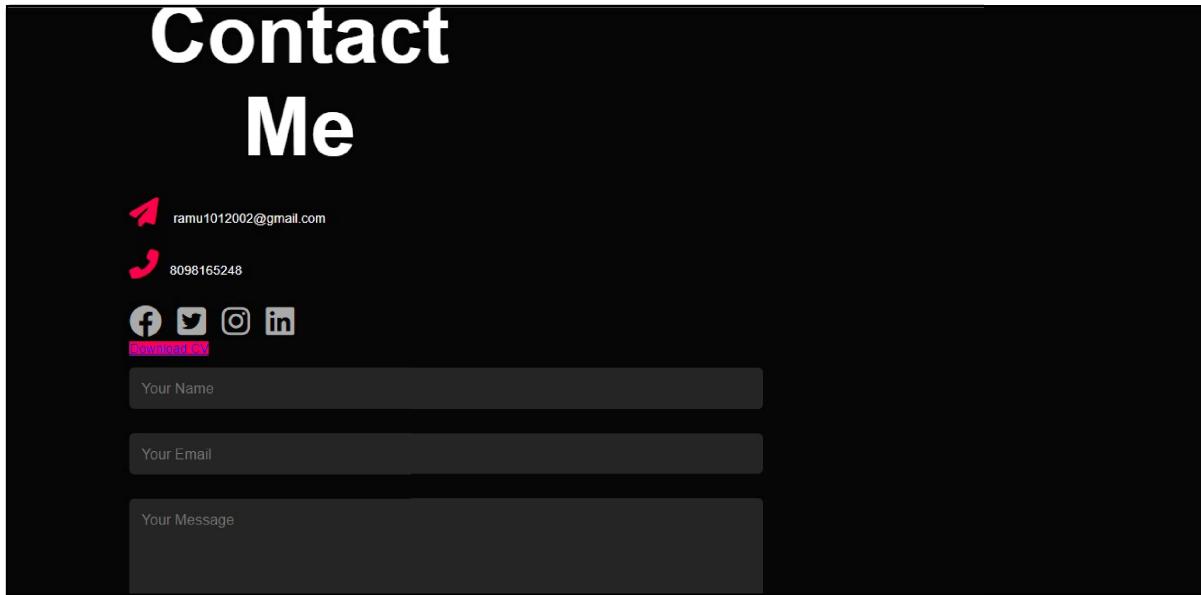
.sub-title{
  font-size: 100px;
  font-weight: 600;
}

.tab-titles{
  display: flex;
  margin: 20px 0 40px;
}

.tab-links{
  margin-right: 50px;
  font-size: 40px;
  font-weight: 500;
  cursor: pointer;
}
```

```
position: relative;  
}  
.tab-links::after{  
content: " ";  
width: 0;  
height: 3px;  
background: #ff004f;  
position: absolute;  
left: 0;  
bottom: -8px;  
transition: 0.2s;  
}  
.tab-links.active-link::after{  
width: 5px;  
}  
.tab-contents ul li{  
list-style: none;  
margin: 10px 0;  
}  
.tab-contents ul li span{  
color: #ff004f;  
font-size: 30px;  
}  
.tab-contents{  
display: none;  
font-size: 25px;  
}  
.tab-contents.active-tab{  
display: block;  
}
```

## 2.2 Contact Page



### 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.

### Source code:

#### HTML

```
<div id="contact">
<div class="container">
<div class="row">
<div class="contect-left">
<h1 class="sub-title">Contact Me</h1>
<p><i class="fas fa-paper-plane"></i> ramu1012002@gmail.com</p>
<p><i class="fas fa-phone-alt"></i>8098165248</p>
<div class="social-icons">
<a href="http://facebook.com/"><i class="fa-brands fa-facebook"></i></a>
<a href=""><i class="fab fa-twitter-square"></i></a>
<a href=""><i class="fab fa-instagram"></i></a>
<a href=""><i class="fab fa-linkedin"></i></a>
</div>
```

```

<a href="/image/resume.jpg" class="btn btn2">Download CV</a>
</div>
<div class="contact-right">
<form action="https://formsubmit.co/ramu1012002@gmail.com" method="POST">
<input type="text" placeholder="Your Name" name="Name" required>
<input type="email" placeholder="Your Email" name="Email" required>
<textarea name="Message" rows="6" placeholder="Your Message"></textarea>
<button type="submit" class="btn btn2">Submit</button>
</form>
</div>
</div>
</div>
<div class="copyright">
<p>Copyright © ram. made with ☰ by easy tutorials</p>
</div>
</div>

```

## CSS

```

/-----contact-----/
.context-left{
flex-basis: 35%;
}
.context-right{
flex-basis: 60%;
}
.context-left p{
margin-top: 30px;
}
.context-left p i {
color: #ff004f;
margin-right: 15px;
font-size: 35px;
}
.social-icons{

```

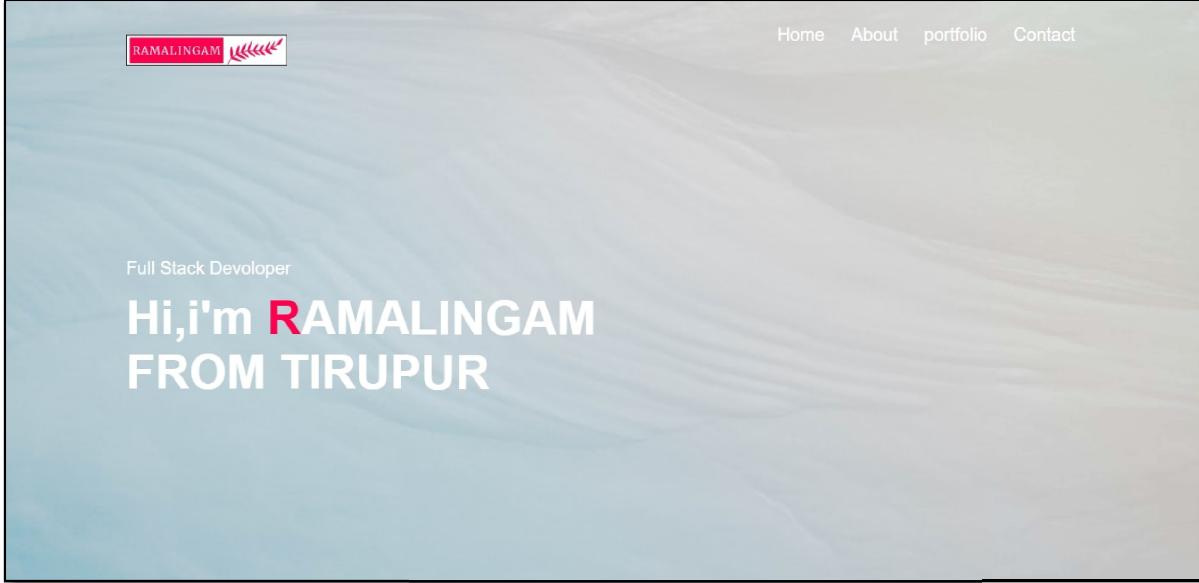
```
margin-top: 30px;  
}  
.social-icons a{  
text-decoration: none;  
font-size: 40px;  
margin-right: 15px;  
color: #ababab;  
display: inline-block;  
transition:transform 0.5s;  
}  
.social-icons a:hover{  
color: #ff004f;  
transform: translate(-5px);  
}  
.btn.btn2{  
display: inline-block;  
background: #ff004f;  
}  
.contect-right form{  
width: 100%;  
}  
form input, form textarea{  
width: 100%;  
border: 0;  
outline: none;  
background: #262626;  
padding: 15PX;  
margin: 15PX 0;  
color: #fff;  
font-size: 18PX;  
border-radius: 6PX;  
}  
form btn2{  
padding: 14px 60px;
```

```
font-size: 18px;  
margin-top: 20px;  
cursor: pointer;  
}  
.copyright{  
width: 100%;  
text-align: center;  
padding: 25px;  
background: #262626;  
font-weight: 300;  
margin-top: 20px;  
}
```

## CHAPTER-3

### Pages & Navigation

#### 3.1 Landing Page



#### Description:

The above figure is 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 is shown in the figure.



### Description:

The above figure is the screenshot of Homepage in Mobile view and this is a homescreen of the portfolio which shows the landing page and Navigation bar which shown in the figure

## Source code:

### HTML

```
<div id="header">  
  
<div class="container">  
  
<nav>  
  
<imgsrc="/image/logo.jpg" class="logo">  
  
<ul id="sidemenu">  
  
<li><a href="#header">Home</a></li>  
  
<li><a href="#about">About</a></li>  
  
<li><a href="#portfolio">portfolio</a></li>  
  
<li><a href="#contact">Contact</a></li>  
  
<i class="fas fa-times" onclick="closemenu()"></i>  
  
</ul>  
  
<i class="fas fa-bars" onclick="openmenu()"></i>  
  
</nav>  
  
<div class="header-text">  
  
<p>Full Stack Devoloper</p>  
  
<h1>Hi,i'm<span>R</span>AMALINGAM<br>FROM TIRUPUR</h1>  
  
</div>  
  
</div>  
  
</div>
```

### CSS

```
{  
margin: 0;  
padding: 0;  
font-family: 'poppins',sans-serif;  
box-sizing: border-box;
```

```
}

html{
scroll-behavior: smooth;
}

body{
background: #070707;
color: #fff;
}

#header{
width: 100%;
height: 100vh;
background-image:url(/image/white.jpg.jpg);
background-size: cover;
background-position: center;
}

.container{
padding: 10px 10%;
}

nav{
display: flex;
align-items: center;
justify-content: space-between;
flex-wrap: wrap;
}

.logo{
padding-top: 50px;
width: 270px;
}

nav ul li{
display: inline-block;
list-style: none;
margin: 10px 20px;
}

nav ul li a{
```

```
color: #fff;  
text-decoration: none;  
font-size: 30px;  
position: relative;  
  
}  
nav ul li a::after{  
content: " ";  
width: 0%;  
height: 3px;  
background: #ff004f;  
position: absolute;  
left: 0;  
bottom: -6px;  
transition: 0.2s;  
}  
nav ul li a:hover::after{  
width: 100%;  
}  
.header-text{  
margin-top: 20%;  
font-size: 30px;  
}  
.header-text h1{  
font-size: 80px;  
margin-top: 20px;  
}  
.header-text H1 span{  
color: #ff004f;  
}  
 @media only screen and (max-width:600px){  
#header{  
background-image: url(/image/white.jpg);  
}
```

```
.header-text{  
margin-top: 100%;  
font-size: 16px;  
}  
.header-text h1{  
font-size: 30px;  
}  
nav .fas{  
display: block;  
font-size: 25px;  
}  
nav ul{  
background: #ff004f;  
position: fixed;  
top: 0;  
right: -200px;  
width: 200px;  
height: 100vh;  
padding-top: 50px;  
z-index: 2;  
transition: right 0.2s;  
}  
nav ulli{  
display: block;  
margin: 25px;  
}  
nav ul .fas{  
position: absolute;  
top: 25px;  
left: 25px;  
cursor: pointer;  
}  
.sub-title{  
font-size: 30px;
```

```
}

.about-col-1, .about-col-2{
flex-basis: 100%;

}

.about-col-1{
margin-bottom: 30px;

}

.about-col-2{
font-size: 14px;

}

.tab-links{
font-size: 16px;
margin-right: 20px;

}

.context-left, .context-right{
flex-basis: 100%;

}

.context-left{
font-size: 10px;

}

.context-right{
font-size: 10px;

}
```

## JAVASCRIPT

```
<script>

var tablinks = document.getElementsByClassName("tab-links");

var tabcontents = document.getElementsByClassName("tab-contents");

function opentab(tabname){

for(tablink of tablinks){

tablink.classList.remove("active-link");

}

for(tabcontent of tabcontents){

tabcontent.classList.remove("active-tab");

}}
```

```

        }

        event.currentTarget.classList.add("active-link");

        document.getElementById(tabname).classList.add("active-tab");

    }

</script>

<script>

var sidemenu = document.getElementById("sidemenu");

function openmenu(){

sidemenu.style.right = "0";

}

function closemenu(){

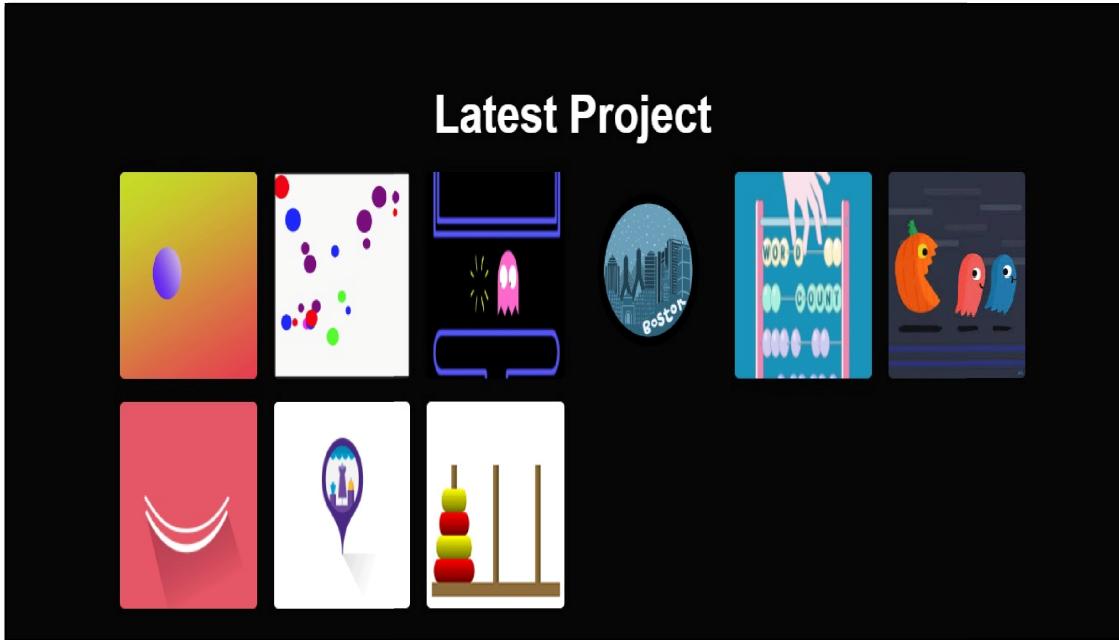
sidemenu.style.right = "-200px";

}

</script>

```

### 3.2 Project Page



## Description

The above figure is the screenshot of project page in a desktop view. In this section, there were 9 projects. The user can easily identify the idea of the project by their index images and titles in the cards.

## Features

In this section if the mouse hovers on the projects it shows two links. one is for GitHub File structure and another one is for Output of the project.

## Source Code

### HTML

```
<div id="portfolio">
<div class="container">
<h1 class="sub-title">Latest <span>Project</span></h1>
<div class="work-list">
<div class="work">

<div class="layer">
<h3>Ball Movement</h3>
<a
target="_blank"
href=" https://ramrvscasmca23.github.io/Ball_movement/"><i class="fa-sharp fa-solid fa-arrow-up-right-from-square"></i>
</a>
<a href="https://github.com/ramrvscasmca23/Ball_movement"><i class='bx bx-link'></i></a>
</div>
</div>
<div class="work">

<div class="layer">
<h3>Random ball</h3>
<a target="_blank" href=" https://ramrvscasmca23.github.io/add-movement-to-the-balls/"><i class="fa-sharp fa-solid fa-arrow-up-right-from-square"></i>
```

```
>></a>

<a href="https://github.com/ramrvscasmca23/add-movement-to-the-balls"><i class='bx bx-link'></i></a>

</div>
</div>

<div class="work">
<imgsrc="/image/packman.gif" alt="" />
<div class="layer">
<h3>Pacman</h3>
<a target="_blank" href=" https://ramrvscasmca23.github.io/Pacman/"><i class="fa-sharp fa-solid fa-arrow-up-right-from-square"></i>
</a>
<a href="https://github.com/ramrvscasmca23/Pacman"><i class='bx bx-link'></i></a>
</div>
</div>

<div class="work">
<imgsrc="/image/boston.gif" alt="" />
<div class="layer">
<h3>Boston Data</h3>
<a target="_blank" href="https://ramrvscasmca23.github.io/boston-data/">
<i class="fa-sharp fa-solid fa-arrow-up-right-from-square"></i>
</a>
<a href="https://github.com/ramrvscasmca23/boston-data"><i class='bx bx-link'></i></a>
</div>
</div>

<div class="work">
<imgsrc="/image/word count.jpg" alt="" />
<div class="layer">
<h3>Word Count</h3>
<a target="_blank" href="https://ramrvscasmca23.github.io/Word-count/">
<i class="fa-sharp fa-solid fa-arrow-up-right-from-square"></i>
</a>
<a href="https://github.com/ramrvscasmca23/Word-count "><i class='bx bx-link'></i></a>
</div>
```

```
</div>
<div class="work">
<imgsrc="/image/packman game.jpg" height="180px" alt="" />
<div class="layer">
<h3>Pacman Game</h3>
<a target="_blank" href="https://ramrvscasmca23.github.io/multiple-pacman-moving/"><i class="fa-sharp fa-solid fa-arrow-up-right-from-square"></i></a>
<a href="https://github.com/ramrvscasmca23/multiple-pacman-moving"><i class='bx bx-link'></i></a>
</div>
</div>
<div class="work">
<imgsrc="/image/eye.jpg" alt="" />
<div class="layer">
<h3>EyeBall Movement</h3>
<a target="_blank" href="https://ramrvscasmca23.github.io/Eye-Movement/"><i class="fa-sharp fa-solid fa-arrow-up-right-from-square"></i></a>
<a href="https://github.com/ramrvscasmca23/Eye-Movement"><i class='bx bx-link'></i></a>
</div>
</div>
<div class="work">
<imgsrc="/image/map maker.gif" alt="" />
<div class="layer">
<h3>Map Marker</h3>
<a target="_blank" href="https://ramrvscasmca23.github.io/map-makings/"><i class="fa-sharp fa-solid fa-arrow-up-right-from-square"></i></a>
<a href="https://github.com/ramrvscasmca23/map-makings"><i class='bx bx-link'></i></a>
</div>
</div>
<div class="work">
<imgsrc="/image/hanoi.jpg" alt="" />
```

```

<div class="layer">
  <h3>Tower of Hanoi</h3>
  <a target="_blank" href=" https://ramrvscasmca23.github.io/hanoi-tower/">
    <i class="fa-sharp fa-solid fa-arrow-up-right-from-square"></i>
  </a>
  <a href="https://github.com/ramrvscasmca23/hanoi-tower"><i class='bx bx-link'></i></a>
</div>
</div>
</div>
</div>
</div>
</div>

```

## CSS

```

#portfolio {
  padding: 50px 0;
}

.sub-title {
  text-align: center;
}

.work-list {
  display: grid;
  grid-template-columns: repeat(auto-fit, minmax(300px, 1fr));
  grid-gap: 40px;
  margin-top: 50px;
}

.workimg {
  width: 100%;
  border-radius: 10px;
  overflow: hidden;
  transition: transform 0.5s;
  height: 30vh;
}

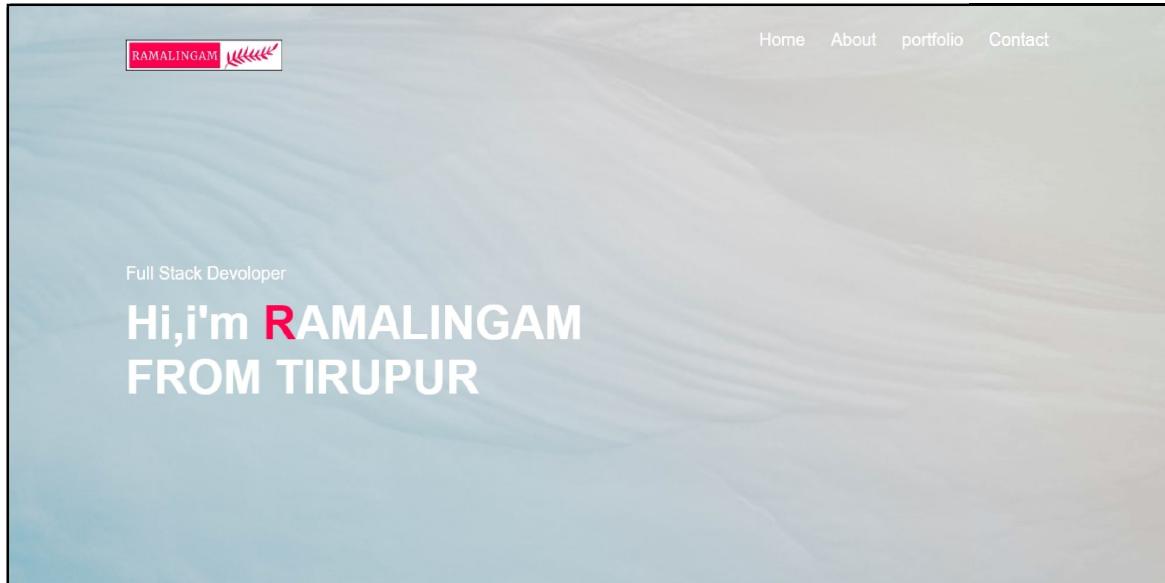
.work {
  border-radius: 10px;
}

```

```
position: relative;
overflow: hidden;
}
.layer {
width: 100%;
height: 0%;
background: linear-gradient(rgba(0, 0, 0, 0.1), cyan);
border-radius: 10px;
position: absolute;
left: 0;
bottom: 0;
overflow: hidden;
display: flex;
align-items: center;
justify-content: center;
flex-direction: column;
padding: 0 30px;
text-align: center;
transition: height 0.5s;
font-size: 14px;
}
.layer h3 {
font-weight: 500;
margin-bottom: 10px;
}
.layer a {
margin-top: 20px;
color: #ffff;
text-decoration: none;
font-size: 18px;
line-height: 60px;
background: #000;
width: 60px;
height: 60px;
```

```
border-radius: 50%;  
text-align: center;  
}  
.work:hover img {  
transform: scale(1.1);  
}  
.work:hover .layer {  
height: 100%;  
}
```

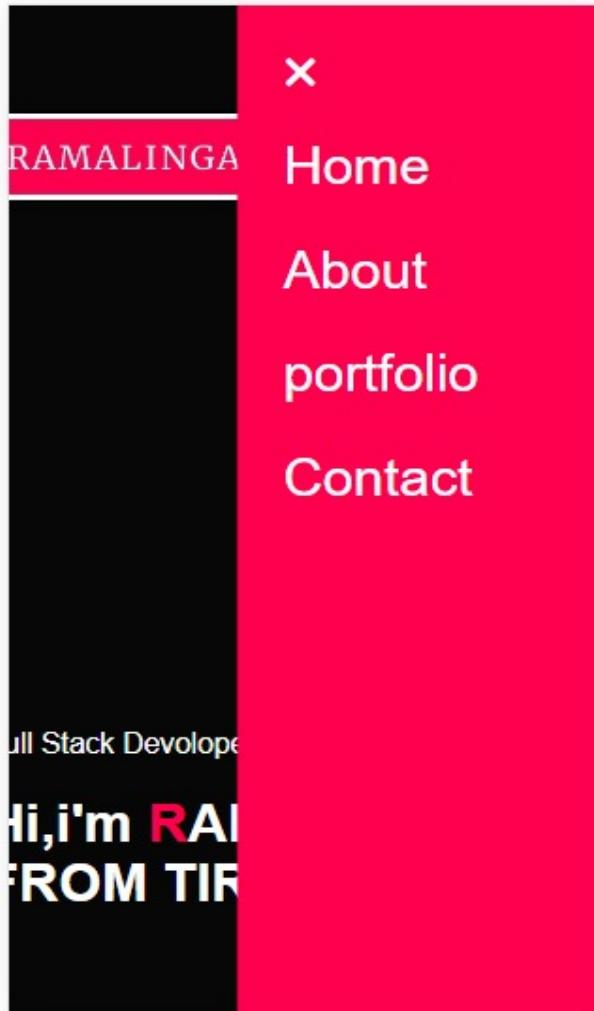
### 3.3 Navigation Bar



### Description

The above figure are the samples of navigation bar in desktop view. This was a user-friendly method only, so the user can easily use the features.

Mobile View Toggle



## Description

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

## Features

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

## Source code:

### HTML

```
<div id="header">  
  <div class="container">  
    <nav>  
        
      <ul id="sidemenu">  
        <li><a href="#header">Home</a></li>  
        <li><a href="#about">About</a></li>  
        <li><a href="#portfolio">portfolio</a></li>  
        <li><a href="#contact">Contact</a></li>  
        <i class="fas fa-times" onclick="closemenu()"></i>  
      </ul>  
      <i class="fas fa-bars" onclick="openmenu()"></i>  
    </nav>  
    <div class="header-text">  
      <p>Full Stack Devoloper</p>  
      <h1>Hi,i'm<span>R</span>AMALINGAM<br>FROM TIRUPUR</h1>  
    </div>  
  </div>  
</div>
```

### CSS

```
{  
  margin: 0;  
  padding: 0;  
  font-family: 'poppins',sans-serif;  
  box-sizing: border-box;  
}
```

```
html{
  scroll-behavior: smooth;
}

body{
  background: #070707;
  color: #fff;
}

#header{
  width: 100%;
  height: 100vh;
  background-image:url(/image/white.jpg.jpg);
  background-size: cover;
  background-position: center;
}

.container{
  padding: 10px 10%;
}

nav{
  display: flex;
  align-items: center;
  justify-content: space-between;
  flex-wrap: wrap;
}

.logo{
  padding-top: 50px;
  width: 270px;
}

nav ul li{
  display: inline-block;
  list-style: none;
  margin: 10px 20px;
}

nav ul li a{
  color: #fff;
```

```
text-decoration: none;  
font-size: 30px;  
position: relative;  
  
}  
nav ul li a::after{  
content: " ";  
width: 0%;  
height: 3px;  
background: #ff004f;  
position: absolute;  
left: 0;  
bottom: -6px;  
transition: 0.2s;  
}  
nav ul li a:hover::after{  
width: 100%;  
}  
.header-text{  
margin-top: 20%;  
font-size: 30px;  
}  
.header-text h1{  
font-size: 80px;  
margin-top: 20px;  
}  
.header-text H1 span{  
color: #ff004f;  
}  
 @media only screen and (max-width:600px){  
#header{  
background-image: url(/image/white.jpg);  
}  
.header-text{
```

```
margin-top: 100%;  
font-size: 16px;  
}  
.header-text h1 {  
font-size: 30px;  
}  
nav .fas{  
display: block;  
font-size: 25px;  
}  
nav ul{  
background: #ff004f;  
position: fixed;  
top: 0;  
right: -200px;  
width: 200px;  
height: 100vh;  
padding-top: 50px;  
z-index: 2;  
transition: right 0.2s;  
}  
nav ulli{  
display: block;  
margin: 25px;  
}  
nav ul .fas{  
position: absolute;  
top: 25px;  
left: 25px;  
cursor: pointer;  
}  
.sub-title{  
font-size: 30px;  
}
```

```
.about-col-1, .about-col-2{  
flex-basis: 100%;  
}  
.about-col-1{  
margin-bottom: 30px;  
}  
.about-col-2{  
font-size: 14px;  
}  
.tab-links{  
font-size: 16px;  
margin-right: 20px;  
}  
.context-left,.context-right{  
flex-basis: 100%;  
}  
.copyright{  
font-size: 10px;  
}  
}
```

## JAVASCRIPT

```
<script>  
  
var tablinks = document.getElementsByClassName("tab-links");  
  
var tabcontents = document.getElementsByClassName("tab-contents");  
  
function opentab(tabname){  
  
for(tablink of tablinks){  
  
tablink.classList.remove("active-link");  
}  
  
for(tabcontent of tabcontents){  
  
tabcontent.classList.remove("active-tab");  
}}
```

```
}

event.currentTarget.classList.add("active-link");

document.getElementById(tabname).classList.add("active-tab");

}

</script>

<script>

var sidemenu = document.getElementById("sidemenu");

function openmenu(){

sidemenu.style.right = "0";

}

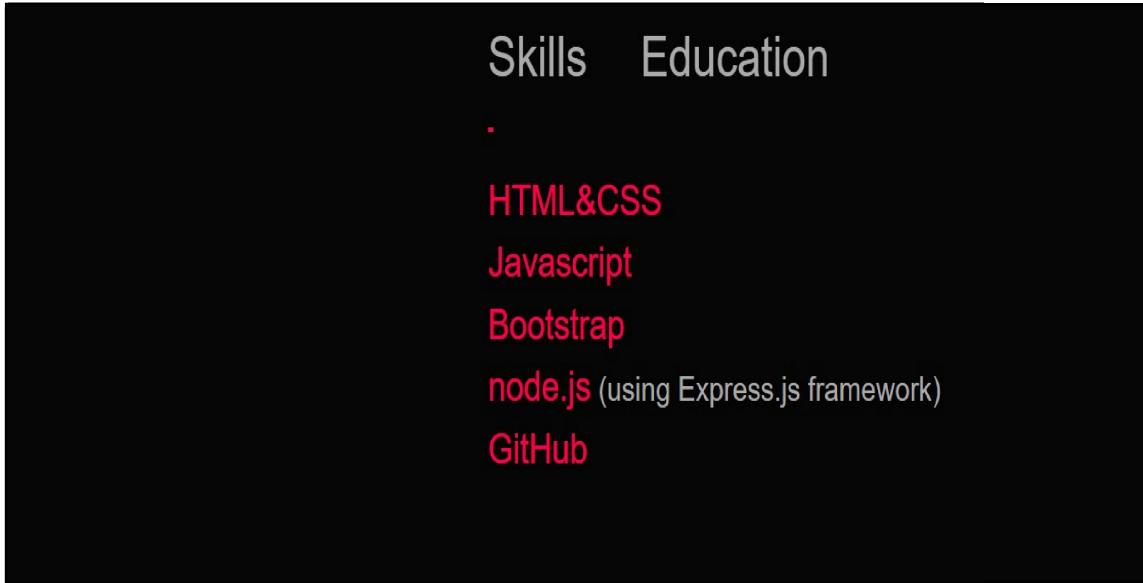
function closemenu(){

sidemenu.style.right = "-200px";

}

</script>
```

### 3.4 Skills Page



## Description

The above figure is skill page, which contain TECHNICAL 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

```
<div class="tab-contents active-tab" id="skills">
<ul>
<li><span>HTML&CSS</span><br></li>
<li><span>Javascript</span><br></li>
<li><span>Bootstrap</span><br></li>
<li><span>node.js</span> (using Express.js framework)</li>
<li><span>GitHub</span><br></li>
</ul>
</div>
```

### CSS

```
.tab-titles{
display: flex;
margin: 20px 0 40px;
}
.tab-links{
margin-right: 50px;
font-size: 40px;
font-weight: 500;
cursor: pointer;
position: relative;
}
.tab-links::after{
content: "";
width: 0;
height: 3px;
```

```
background: #ff004f;
position: absolute;
left: 0;
bottom: -8px;
transition: 0.2s;
}
.tab-links.active-link::after{
width: 5px;
}
.tab-contents ul li{
list-style: none;
margin: 10px 0;
}
.tab-contents ul li span{
color: #ff004f;
font-size: 30px;
}
.tab-contents{
display: none;
font-size: 25px;
}
.tab-contents.active-tab{
display: block;
```

## CHAPTER-4

### Styles Score

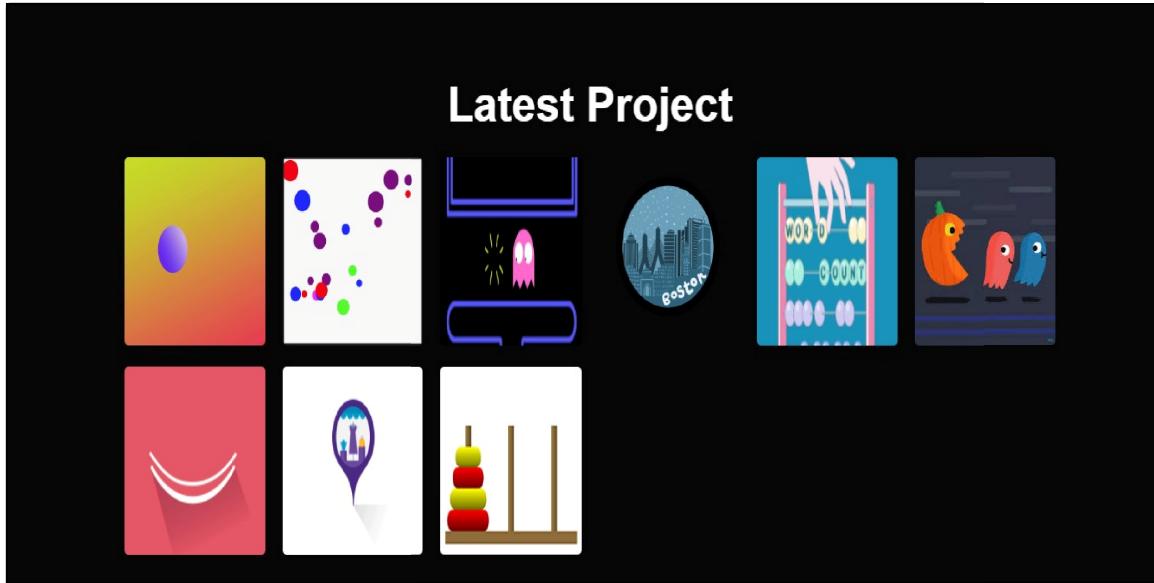
#### 4.1 Font Link

```
<script src="https://kit.fontawesome.com/b1ee0be1b4.js" crossorigin="anonymous"></script>
```

#### 4.2 Style Links

```
<script src="https://kit.fontawesome.com/b1ee0be1b4.js" crossorigin="anonymous"></script>
<link rel="stylesheet" href=".css/styles.css">
```

#### 4.3 Use of Grid Layout



### Source Code

#### HTML

```
<div id="portfolio">
  <div class="container">
    <h1 class="sub-title">Latest <span>Project</span></h1>
    <div class="work-list">
      <div class="work">
```

```

<imgsrc="/image/bouncing-ball.gif" height="180px" alt="" />
<div class="layer">
<h3>Ball Movement</h3>
<a
target="_blank"
href=" https://ramrvscasmca23.github.io/Ball_movement/"
><i class="fa-sharp fa-solid fa-arrow-up-right-from-square"></i>
></a>
<a href="https://github.com/ramrvscasmca23/Ball_movement"><i class='bx bx-link'></i></a>
</div>
</div>
<div class="work">
<imgsrc="/image/container.gif" alt="" />
<div class="layer">
<h3>Random ball</h3>
<a target="_blank" href=" https://ramrvscasmca23.github.io/add-movement-to-the-balls/"
><i class="fa-sharp fa-solid fa-arrow-up-right-from-square"></i>
></a>
<a href="https://github.com/ramrvscasmca23/add-movement-to-the-balls"><i class='bx bx-link'></i></a>
</div>
</div>
<div class="work">
<imgsrc="/image/packman.gif" alt="" />
<div class="layer">
<h3>Pacman</h3>
<a target="_blank" href=" https://ramrvscasmca23.github.io/Pacman/"
><i class="fa-sharp fa-solid fa-arrow-up-right-from-square"></i>
></a>
<a href="https://github.com/ramrvscasmca23/Pacman"><i class='bx bx-link'></i></a>
</div>
</div>
<div class="work">
<imgsrc="/image/boston.gif" alt="" />

```

```

<div class="layer">
<h3>Boston Data</h3>
<a target="_blank" href="https://ramrvscasmca23.github.io/boston-data/" >
<i class="fa-sharp fa-solid fa-arrow-up-right-from-square"></i>
</a>
<a href="https://github.com/ramrvscasmca23/boston-data"><i class='bx bx-link'></i></a>
</div>
</div>
<div class="work">
<imgsrc="/image/word count.jpg" alt="" />
<div class="layer">
<h3>Word Count</h3>
<a target="_blank" href="https://ramrvscasmca23.github.io/Word-count/" >
<i class="fa-sharp fa-solid fa-arrow-up-right-from-square"></i>
</a>
<a href="https://github.com/ramrvscasmca23/Word-count "><i class='bx bx-link'></i></a>
</div>
</div>
<div class="work">
<imgsrc="/image/packman game.jpg" height="180px" alt="" />
<div class="layer">
<h3>Pacman Game</h3>
<a target="_blank" href="https://ramrvscasmca23.github.io/multiple-pacman-moving/" >
<i class="fa-sharp fa-solid fa-arrow-up-right-from-square"></i>
</a>
<a href="https://github.com/ramrvscasmca23/multiple-pacman-moving"><i class='bx bx-link'></i></a>
</div>
</div>
<div class="work">
<imgsrc="/image/eye.jpg" alt="" />
<div class="layer">
<h3>EyeBall Movement</h3>
<a target="_blank" href="https://ramrvscasmca23.github.io/Eye-Movement/" >

```

```

><i class="fa-sharp fa-solid fa-arrow-up-right-from-square"></i>
></a>
<a href="https://github.com/ramrvscasmca23/Eye-Movement"><i class='bx bx-link'></i></a>
</div>
</div>
<div class="work">
<imgsrc="/image/map maker.gif" alt="" />
<div class="layer">
<h3>Map Marker</h3>
<a target="_blank" href="https://ramrvscasmca23.github.io/map-makings/">
><i class="fa-sharp fa-solid fa-arrow-up-right-from-square"></i>
></a>
<a href="https://github.com/ramrvscasmca23/map-makings"><i class='bx bx-link'></i></a>
</div>
</div>
<div class="work">
<imgsrc="/image/hanoi.jpg" alt="" />
<div class="layer">
<h3>Tower of Hanoi</h3>
<a target="_blank" href=" https://ramrvscasmca23.github.io/hanoi-tower/">
><i class="fa-sharp fa-solid fa-arrow-up-right-from-square"></i>
></a>
<a href="https://github.com/ramrvscasmca23/hanoi-tower"><i class='bx bx-link'></i></a>
</div>
</div>
</div>
</div>
</div>

```

## CSS

```

#portfolio {
padding: 50px 0;
}
.sub-title{

```

```
text-align: center;  
}  
.work-list {  
display: grid;  
grid-template-columns: repeat(auto-fit, minmax(300px, 1fr));  
grid-gap: 40px;  
margin-top: 50px;  
}  
  
.workimg {  
width: 100%;  
border-radius: 10px;  
overflow: hidden;  
transition: transform 0.5s;  
height: 30vh;  
}  
.work {  
border-radius: 10px;  
position: relative;  
overflow: hidden;  
}  
.layer {  
width: 100%;  
height: 0%;  
background: linear-gradient(rgba(0, 0, 0, 0.1), cyan);  
border-radius: 10px;  
position: absolute;  
left: 0;  
bottom: 0;  
overflow: hidden;  
display: flex;  
align-items: center;  
justify-content: center;  
flex-direction: column;
```

```
padding: 0 30px;  
text-align: center;  
transition: height 0.5s;  
font-size: 14px;  
}  
.layer h3 {  
font-weight: 500;  
margin-bottom: 10px;  
}  
.layer a {  
margin-top: 20px;  
color: #ffff;  
text-decoration: none;  
font-size: 18px;  
line-height: 60px;  
background: #000;  
width: 60px;  
height: 60px;  
border-radius: 50%;  
text-align: center;  
}  
.work:hoverimg {  
transform: scale(1.1);  
}  
.work:hover .layer {  
height: 100%;  
}
```

## CHAPTER-5

Website include the following information

### 5.1 Project Links to Github

#### Project-1

**Title:**BALLMOVEMENT

Link: [https://ramrvscasmca23.github.io/Ball\\_movement/](https://ramrvscasmca23.github.io/Ball_movement/)

##### ➤ Project Description

This project has a simple violet color ball, which will move from top to bottom and bottom to top, like bouncing from between the x and y axis. It will repeat this process whenever we load the page. The ball is created by HTML, CSS. And making the ball to do some event by JAVASCRIPT

#### Project-2

**Title:**RANDOM BALL

Link: <https://ramrvscasmca23.github.io/add-movement-to-the-balls>

##### ➤ Project Description

Here the ball is created using style and when the factory(n) function is called based on the n the number of balls has been created. After that call update () function to move a ball in different position and velocity. The ball has been moving only within the boundary set in the if condition.

#### Project-3

**Title:**PACMAN

Link: <https://ramrvscasmca23.github.io/Pacman>

##### ➤ Project Description

- In Simulation scheduler a Pacman is made to move in a fixed direction and with a fixed velocity. It will move from the one place of the browser to the end of the screen.

## Project-4

**Title:**BOSTON CITY DATA

**Link:** <https://ramrvscasmca23.github.io/boston-data/>

- Project Description

The walk Boston shows the top five earning employees and the details of the employees by JAVASCRIPT. So, through this we can identify and filter the top values from the amount of data.

## Project-5

**Title:**WORD COUNT

**Link:** <https://ramrvscasmca23.github.io/Word-count/>

- Project Description

In this exercise, we can count the words that how many time it takes place in the paragraph. And also it will display the top 3 repeated words.

## Project-6

**Title:**PACMAN GAME

**Link:** <https://ramrvscasmca23.github.io/multiple-pacman-moving/>

- 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:**EYEBALL MOVEMENT

Link: <https://ramrvscasmca23.github.io/Eye-Movement/>

➤ 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:**MAP

Link: <https://ramrvscasmca23.github.io/map-makings/>

➤ Project Description

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

## **Project-9**

**Title:**TOWER OF HANOI

Link: <https://ramrvscasmca23.github.io/hanoi-tower>

➤ 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-6**

### **Bootstrap**

#### **6.1 Use Bootstrap**

##### **Bootstrap Links**

```
<script src="https://kit.fontawesome.com/b1ee0be1b4.js" crossorigin="anonymous"></script>
```

#### **Description**

I have used bootstrap in this website. Which was a built-in file, so we can 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, steps to run, future improvement)

### ➤ PROJECT1 Simulation

ballmovement

**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 500-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.

### ➤ PROJECT2

Graphics Animation Of Random Ball



README.md



## add-movement-to-the-balls ↗

### 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

### 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.

### 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 Improvement:

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.

## ➤ PROJECT4

### Boston City Data

README.md

## Boston-data

### 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

### Pacman Game

README.md

#### Multiple PACMAN moving ↗

---

#### 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

### Eyeball Movement

README.md

### Eye-Movement ↗

---

#### 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

### Map

README.md

### map-makings ↗

---

#### 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.

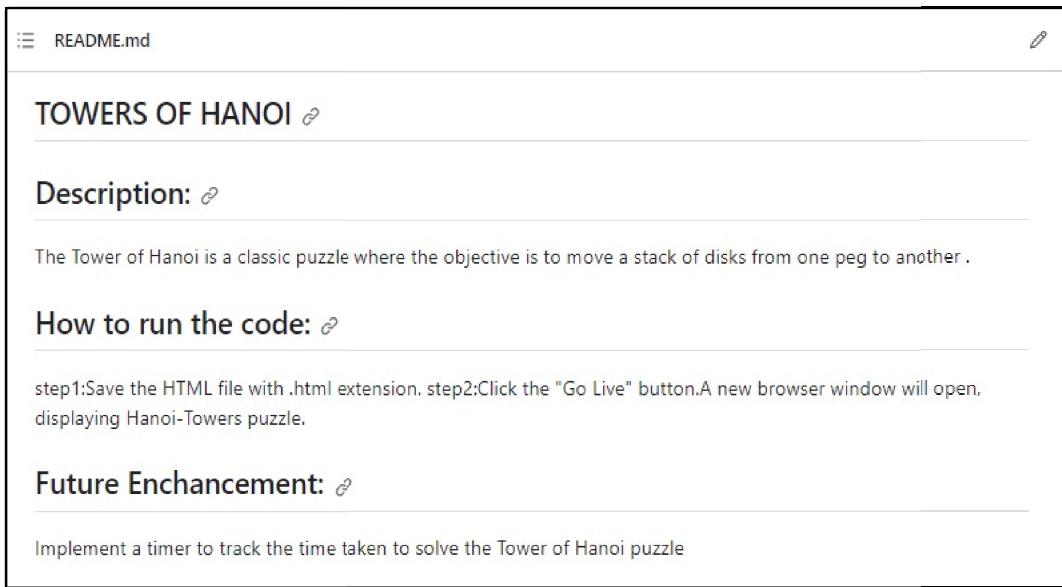
---

#### 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



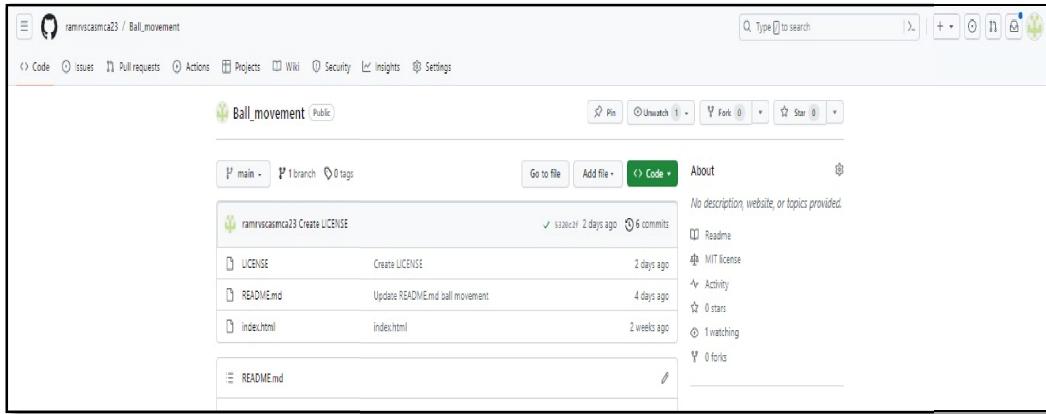
## Description

The above images are the project README files (description, Steps to run the project, Future improvements) in a desktop view.

# CHAPTER-8

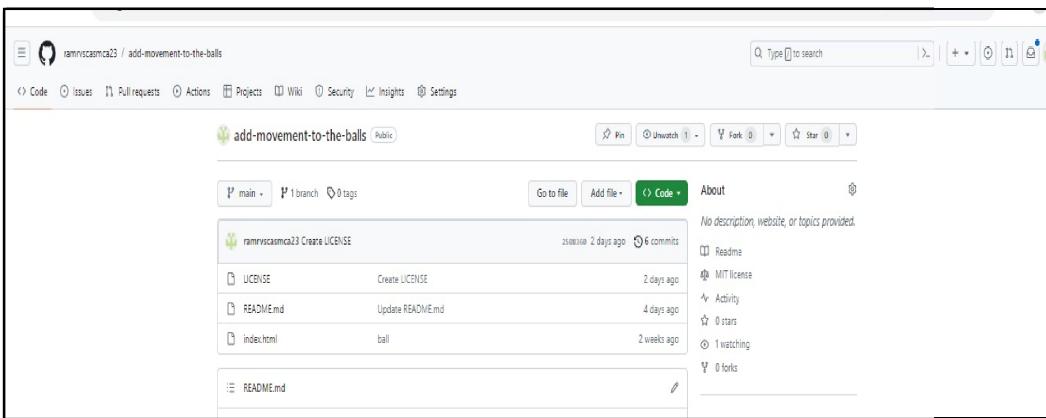
## File Structure

### 8.1 GitHub File Structure



Moving Ball File Structure:

Random Ball File Structure:



## Pacman File Structure:

The screenshot shows a GitHub repository named 'Pacman' owned by 'ramrvscasmca23'. The repository is public. The commit history is as follows:

Commit	Message	Author	Date
LICENSE	Create LICENSE	pacman	2 days ago
PacMan1.png	pacman	pacman	2 weeks ago
PacMan2.png	pacman	pacman	2 weeks ago
PacMan3.png	pacman	pacman	2 weeks ago
PacMan4.png	pacman	pacman	2 weeks ago
README.md	Update README.md pacman	pacman	4 days ago
index.html		pacman	2 weeks ago

## Boston File Structure:

The screenshot shows a GitHub repository named 'boston-data' owned by 'ramrvscasmca23'. The repository is public. The commit history is as follows:

Commit	Message	Author	Date
LICENSE	Create LICENSE	assisted	2 days ago
README.md	Update README.md boston data	pacman	4 days ago

On the right side of the repository page, there is an 'About' section with the following information:

- No description, website, or topics provided.
- Readme
- MIT license
- Activity
- 0 stars
- 1 watching
- 0 forks

## Word Count File Structure

The screenshot shows a GitHub repository page for 'Word-count'. The repository is public and has 1 branch and 0 tags. The commit history is as follows:

File	Message	Author	Date
LICENSE	Create LICENSE	ramrvscasmca23	2 days ago
README.md	Update README.md word count	ramrvscasmca23	4 days ago
index.html	index.html	ramrvscasmca23	2 weeks ago

The repository has 7 commits, 0 stars, 1 watching, and 0 forks. It includes a MIT license and no description.

## Pacman Game File Structure

The screenshot shows a GitHub repository page for 'multiple-pacman-moving'. The repository is public and has 1 branch and 0 tags. The commit history is as follows:

File	Message	Author	Date
LICENSE	Create LICENSE	ramrvscasmca23	2 days ago
PacMan1.png	Multiple pacman moving	ramrvscasmca23	2 weeks ago
PacMan2.png	Multiple pacman moving	ramrvscasmca23	2 weeks ago
PacMan3.png	Multiple pacman moving	ramrvscasmca23	2 weeks ago
PacMan4.png	Multiple pacman moving	ramrvscasmca23	2 weeks ago
README.md	Initial commit	ramrvscasmca23	2 weeks ago
index.html	index.html	ramrvscasmca23	2 weeks ago

The repository has 4 commits, 0 stars, 1 watching, and 0 forks. It includes a MIT license and no description.

## EyeBall Movement File Structure

The screenshot shows a GitHub repository page for 'Eye-Movement'. The repository is public and has 1 branch and 0 tags. The main file listed is 'LICENSE', which was created 2 days ago. Other files listed are 'README.md', 'index.html', and 'task.css', all updated 'now'. A commit message from 'ramrvscasmca23' says 'Update README.md'. The repository has 5 commits in total.

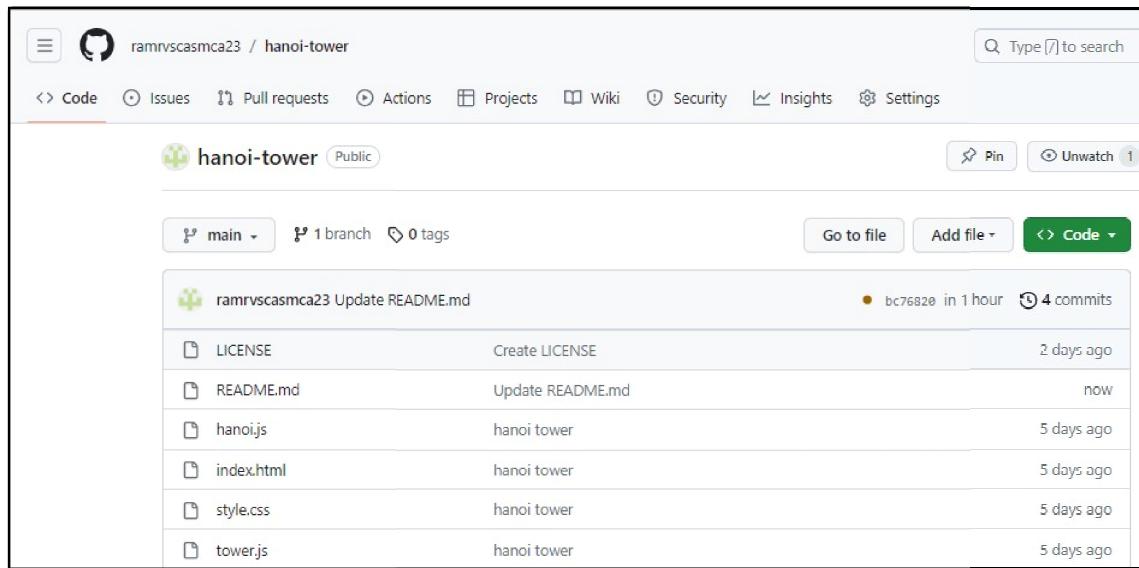
File	Commit Message	Time Ago
LICENSE	Create LICENSE	2 days ago
README.md	Update README.md	now
index.html	index.html	2 weeks ago
task.css	Add files via upload	2 weeks ago

## Map File Structure

The screenshot shows a GitHub repository page for 'map-makings'. The repository is public and has 1 branch and 0 tags. The main file listed is 'LICENSE', which was created 2 days ago. Other files listed are 'README.md', 'index.html', and a new file 'map-makings'. A commit message from 'ramrvscasmca23' says 'Update README.md'. The repository has 5 commits in total.

File	Commit Message	Time Ago
LICENSE	Create LICENSE	2 days ago
README.md	Update README.md	now
index.html	index.html	5 days ago
map-makings	(new)	

## Tower of Hanoi File Structure



## Description

The Above images are the project GitHub File structure in a desktop view.