

Design a website using HTML and CSS

Name:	M Badri Narayanan
Reg No:	185002018
Semester:	VI
Exercise Number:	1
Date:	February 2, 2021

Aim

To design a website using HTML and DHTML, Internal hyperlinking, basic text formatting, images, forms, frames, links, tables, CSS (inline, internal and external), animations, transitions, SVG, Geolocation API, audio, video etc.

Procedure

- Decide on an idea for the website.
 - Create the HTML for the different pages.
 - Separate each page into different sections, header and footer.
 - Use forms, images, videos, audio, lists, tables, frames etc.
 - Use Geolocation and PositionStack API to get the city and country of the user.
 - Use SVG for the logo.
 - Link the different pages using hyperlinks.
 - Add inline, internal and external CSS using tag, id, class selectors to style the webpages.
 - Use animations, transitions etc. to make the page look better.
-

Tags Used

```
<html>
  <head>
</head>
  <body>
    <header>
</header>
    <form>
</form>
    <h1></h1>
    <h2></h2>
    <h3></h3>
    <h4></h4>
    <h5></h5>
    <div></div>
    <nav></nav>
    <p></p>
```

```

        <audio></audio>
        <video></video>
        <a href = 'Link'></a>
        <img src = "Image File Name"></img>
        <iframe></iframe>
        <map></map>
        <ul>
            <li>Item1</li>
            <li>Item2</li>
        </ul>
        <ol>
            <li>Item1</li>
            <li>Item2</li>
        </ol>
        <table>
            <tr>
                <td> column 1 </td>
                <td> column 2 </td>
            </tr>
        </table>
        <svg>
        <canvas></canvas>
        <footer>
        </footer>
    </body>
</html>

```

Experiment Name: HTML4 Exercise Number: 1A Date: February 2, 2021

Horizontal rule, Links, Image Insertion, Ordered and unordered list, Internal hyper linking, Meta, Simple table, Form, Frames, and Hotspot creation.

HTML Code

```

<!DOCTYPE>
<html lang = "en">
<head>

    <meta charset="UTF-8">
    <meta name="description" content="Portfolio Web Page">
    <meta name="keywords" content="HTML5, CSS3, JavaScript">
    <meta name="author" content="M Badri Narayanan">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>My First Web Page</title>
    <link rel="icon" type="image/x-icon" href="images/favicon.ico" />
    <link rel="stylesheet" href="style.css">

<style>
    p.static
    {
        position: static;
        text-align: center;
        color: red;
    }

```

```

p.border
{
    width: 11em;
    border-style: groove;
    word-wrap: break-word;
}
div.transition
{
    width: 70px;
    height: 70px;
    background: navy;
    color: white;
    transition: width 2s, height 4s;
}
div.transition:hover
{
    width: 100px;
    height: 100px;
}
canvas
{
    display : inline-block;
}
</style>
<body>

    <header>
        <h5>M Badri Narayanan Curriculum Vitae</h5><br>
        <div id = "animated_div">Badri</div>
        <audio controls>
            <source src="Audio.mp3" type="audio/mpeg">
            Your browser does not support the audio element.
        </audio>
        <video height = 200 video = 200 controls>
            <source src="Video.mp4" type="video/mp4">
            Your browser does not support the video tag.
        </video>
        <br>
        <br>
        <button onclick = "getLocation()">Click Here To Get Your
        ↪ Location</button>
        <p id = "location"></p>
        <script>
            var x = document.getElementById("location");

            function getLocation()
            {
                if (navigator.geolocation)
                {
                    navigator.geolocation.
                        getCurrentPosition(showPosition);
                }
                else
                {
                    x.innerHTML = "Geolocation is not
                    ↪ supported by this browser.";
                }
            }
            function showPosition(position)
            {
                const name="<iframe
                ↪ src='http://maps.google.com/maps?q=";

```

```

        const name2="&z=16&output=embed' height='450'
        ↪ width='600'>";
        x.innerHTML=
        ↪ name+position.coords.latitude+', '+
        position.coords.longitude+name2;
    }
</script>
</header>

<h1 class = "header" style="color:navy;">M Badri Narayanan</h1>

<img src = "Profile.png" alt = "My Profile Picture" usemap="#profile"
↪ height = "200" width = "200"></img><br>

<map name="profile">
    <area shape = "rect" coords="0,0,100,100" alt = "My GitHub
    ↪ Profile" href="https://github.com/MBadriNarayanan"
    ↪ target="_blank">
    <area shape = "rect" coords="100,100,200,200" alt = "My
    ↪ LinkedIn Profile"
    ↪ href="https://www.linkedin.com/in/mbadrinarayanan"
    ↪ target="_blank">
</map>

<h3>My Social Networking Sites</h3>
<ol>
    <li><a href="https://github.com/MBadriNarayanan"
    ↪ target="_blank">GitHub</span></a></li>
    <li><a href="https://www.linkedin.com/in/mbadrinarayanan"
    ↪ target="_blank">LinkedIn</a></li>
</ol>

<iframe src="https://mbadrinarayanan.github.io/" width="400"
↪ height="280" title="My existing portfolio website"></iframe>

<h3>Summary</h3>

<p class = "static">I am currently pursuing my bachelors in
↪ Information Technology from SSN College of Engineering, Chennai. I
↪ am interested in the fields of Machine Learning , Deep Learning,
↪ Natural Language Processing, Computer Vision and Data Science.I
↪ would like to work in the aforementioned fields and develop real
↪ world solutions. I am also an avid sports fan and my hobbies
↪ include playing cricket, listening to music, watching movies and
↪ reading books.</p>

<a href = #EducationDetails>My Education Details</a><br>
<a href = #ExtraCurricular>Extra Curricular</a><br>
<a href = #Awards>Awards</a><br>
<a href = #Contact>Contact</a>

<a name = "EducationDetails"></a>
<h4>My Education Details</h4>
<table border="1" align="left" width="40%">
    <tr><td>College / School</td><td>Grade</td><td>Marks
    ↪ Obtained</td></tr>
    <tr><td>SSN College of Engineering, Chennai</td><td>BTech
    ↪ Information Technology</td><td>Current GPA : 8.828 (V
    ↪ Semester)</td></tr>

```

```

<tr><td>Vidya Mandir Senior Secondary School,
↳ Chennai</td><td>12<sup>th</sup> Grade, Computer Science
↳ Group</td><td>94.4 %</td></tr>
<tr><td>Vidya Mandir Senior Secondary School,
↳ Chennai</td><td>10<sup>th</sup>
↳ Grade</td><td>8.828</td></tr>
</table>

<a name = "ExtraCurricular"></a>
<h4>Extra Curricular</h4>
<ul>
<li>Volunteering with Chennai Volunteers to teach spoken
↳ English classes for Tamil medium students.</li>
<li>Captained the school cricket team</li>
<li>Represented the college cricket team</li>
</ul>

<a name = "Awards"></a>
<h4>Awards</h4>
<ul>
<li>Won the 2<sup>nd</sup> best project in Computer Science in
↳ 12<sup>th</sup> grade.</li>
<li>Stood school 3<sup>rd</sup> in Chemistry in
↳ 12<sup>th</sup> grade.</li>
</ul>

<a name = "Contact"></a>
<h4>Contact</h4>
<form method="post" action="#">
<label for = "title">Title</label><br>
<input type = "text" name = "title" id = "title"
↳ placeholder = "Mr"><br>
<label for = "fname">First Name</label><br>
<input type = "text" name = "firstname" id = "fname"
↳ placeholder = "John"><br>
<label for = "lname">Last Name</label><br>
<input type = "text" name = "lastname" id = "lname"
↳ placeholder = "Doe"><br>
<label for="mobile">Phone Number</label><br>
<input type = "mobile" id = "mobile" name = "mobile"
↳ placeholder = "9876543210"><br>
<label for = "email">Email</label><br>
<input type = "text" name = "email" id = "email"
↳ placeholder = "johndoe@xyz.com"><br>
<label for = "message">Message</label><br>
<textarea name = "message" id="message" placeholder =
↳ "Write your message..." style="margin: 0px; width:
↳ 168px; height: 91px;"></textarea><br><br>
<input type = "submit" value = "Send Message">
</form>

<footer>
<div class = "transition">M Badri Naryanan</div><br>
<svg width="100" height="100">
<circle cx="50" cy="50" r="40" stroke="green"
↳ stroke-width="4" fill="red" />
<a href="https://mbadrinarayanan.github.io/" target
↳ ="_blank"><text x="18" y="53">Click
↳ Here</text></a>
</svg>

```

```

<p class = "border">Web Page created for Web Programming Lab
↳ in the VI Semester.</p>
<canvas id="Canvas" width="200" height="100" style="border:1px
↳ solid #d3d3d3;">Your browser does not support the HTML
↳ canvas tag.</canvas>
<script>
    var c = document.getElementById("Canvas");
    var ctx = c.getContext("2d");

    var grd = ctx.createRadialGradient(75,50,5,90,60,100);
    grd.addColorStop(0,"red");
    grd.addColorStop(1,"white");

    ctx.fillStyle = grd;
    ctx.fillRect(10,10,150,80);
</script>
</footer>

</body>
</html>

```

CSS Code

```

body
{
    background-color: linen;
}
ul
{
    background-color: lightblue;
    width: 20%;
    padding: 25px;
}
.header
{
    background-color: rgb(255, 253, 208);
    padding: 20px;
    text-align: center;
}
#animated_div{
    width:70px;
    height:47px;
    background: #92B901;
    color: white;
    position: relative;
    font-weight:bold;
    font-size:20px;
    padding:10px;
    animation:animated_div 5s 1;
    -moz-animation:animated_div 5s 1;
    -webkit-animation:animated_div 5s 1;
    -o-animation:animated_div 5s 1;
    border-radius:5px;
    -webkit-border-radius:5px;
}

@keyframes animated_div
{

```

```

0% {transform: rotate(0deg);left:0px;}
25% {transform: rotate(20deg);left:0px;}
50% {transform: rotate(0deg);left:500px;}
55% {transform: rotate(0deg);left:500px;}
70% {transform: rotate(0deg);left:500px;background:#1ec7e6;}
100% {transform: rotate(-360deg);left:0px;}
}

@-webkit-keyframes animated_div
{
0% {-webkit-transform: rotate(0deg);left:0px;}
25% {-webkit-transform: rotate(20deg);left:0px;}
50% {-webkit-transform: rotate(0deg);left:500px;}
55% {-webkit-transform: rotate(0deg);left:500px;}
70% {-webkit-transform: rotate(0deg);left:500px;background:#1ec7e6;}
100% {-webkit-transform: rotate(-360deg);left:0px;}
}

@-moz-keyframes animated_div
{
0% {-moz-transform: rotate(0deg);left:0px;}
25% {-moz-transform: rotate(20deg);left:0px;}
50% {-moz-transform: rotate(0deg);left:500px;}
55% {-moz-transform: rotate(0deg);left:500px;}
70% {-moz-transform: rotate(0deg);left:500px;background:#1ec7e6;}
100% {-moz-transform: rotate(-360deg);left:0px;}
}

@-o-keyframes animated_div
{
0% {transform: rotate(0deg);left:0px;}
25% {transform: rotate(20deg);left:0px;}
50% {transform: rotate(0deg);left:500px;}
55% {transform: rotate(0deg);left:500px;}
70% {transform: rotate(0deg);left:500px;background:#1ec7e6;}
100% {transform: rotate(-360deg);left:0px;}
}

```

Output

Figure 1: HTML4 Output Pic1

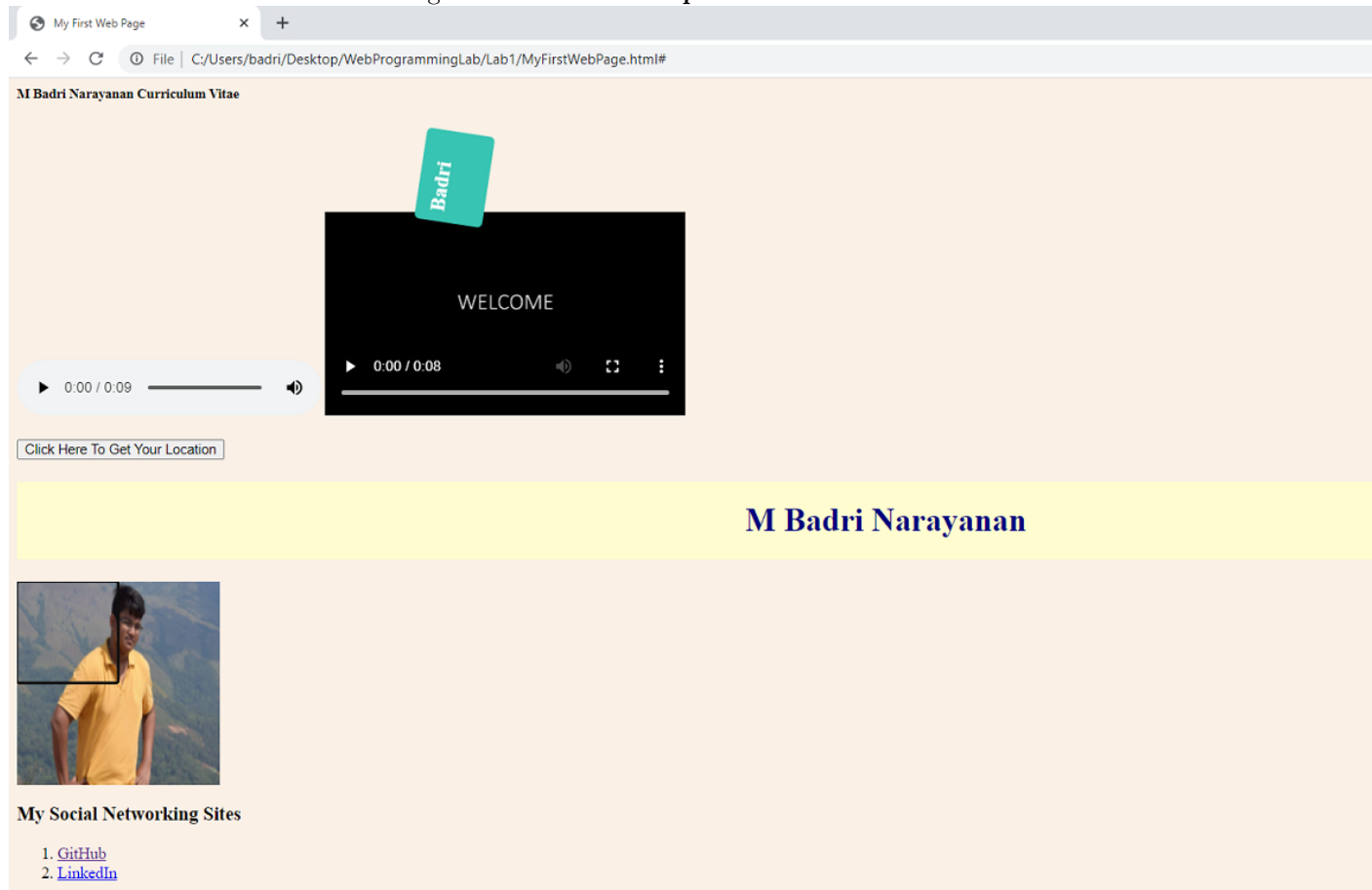
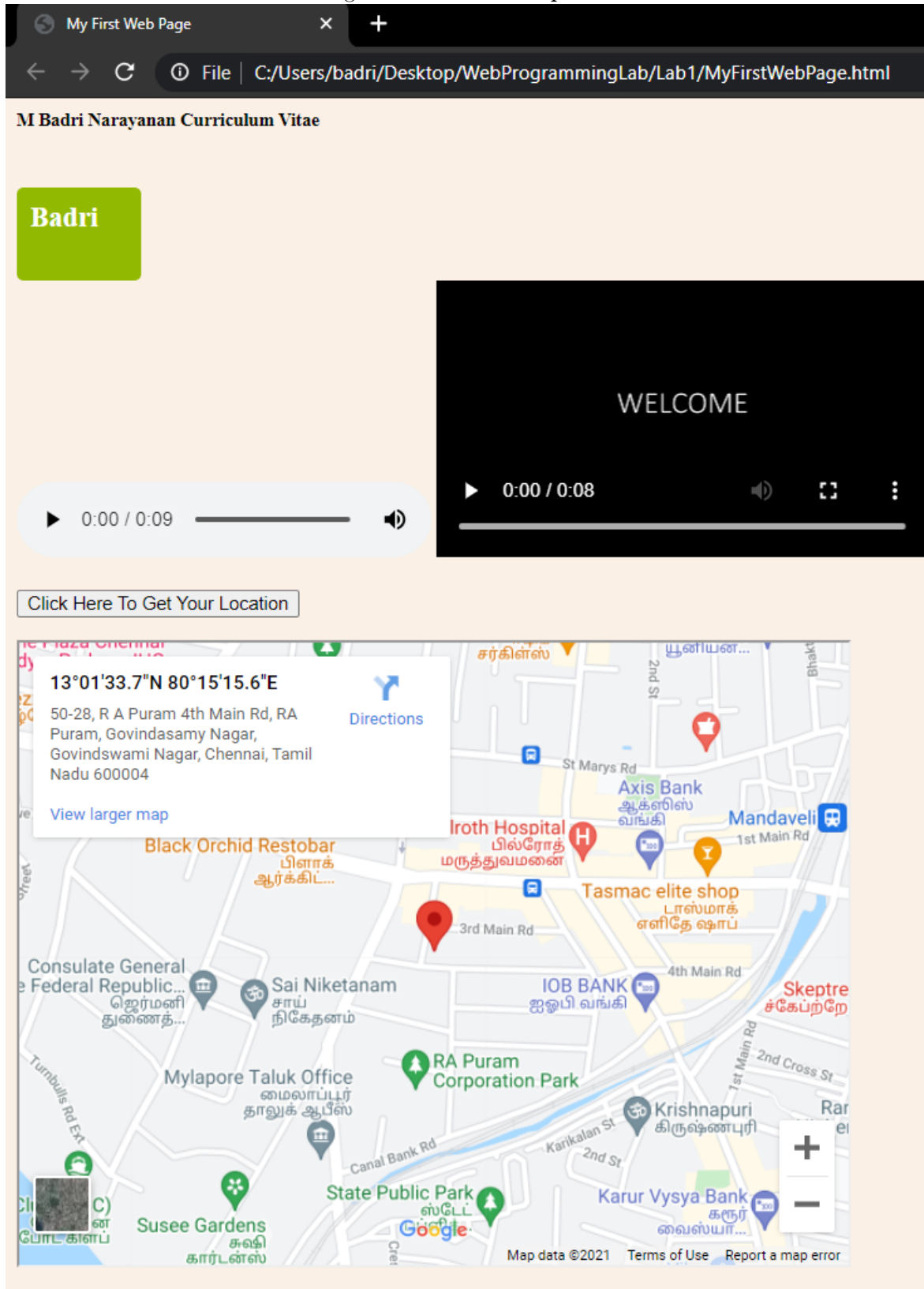


Figure 2: HTML4 Output Pic2





My First Web Page

File | C:/Users/badri/Desktop/WebProgrammingLab/Lab1/MyFirstWebPage.html#

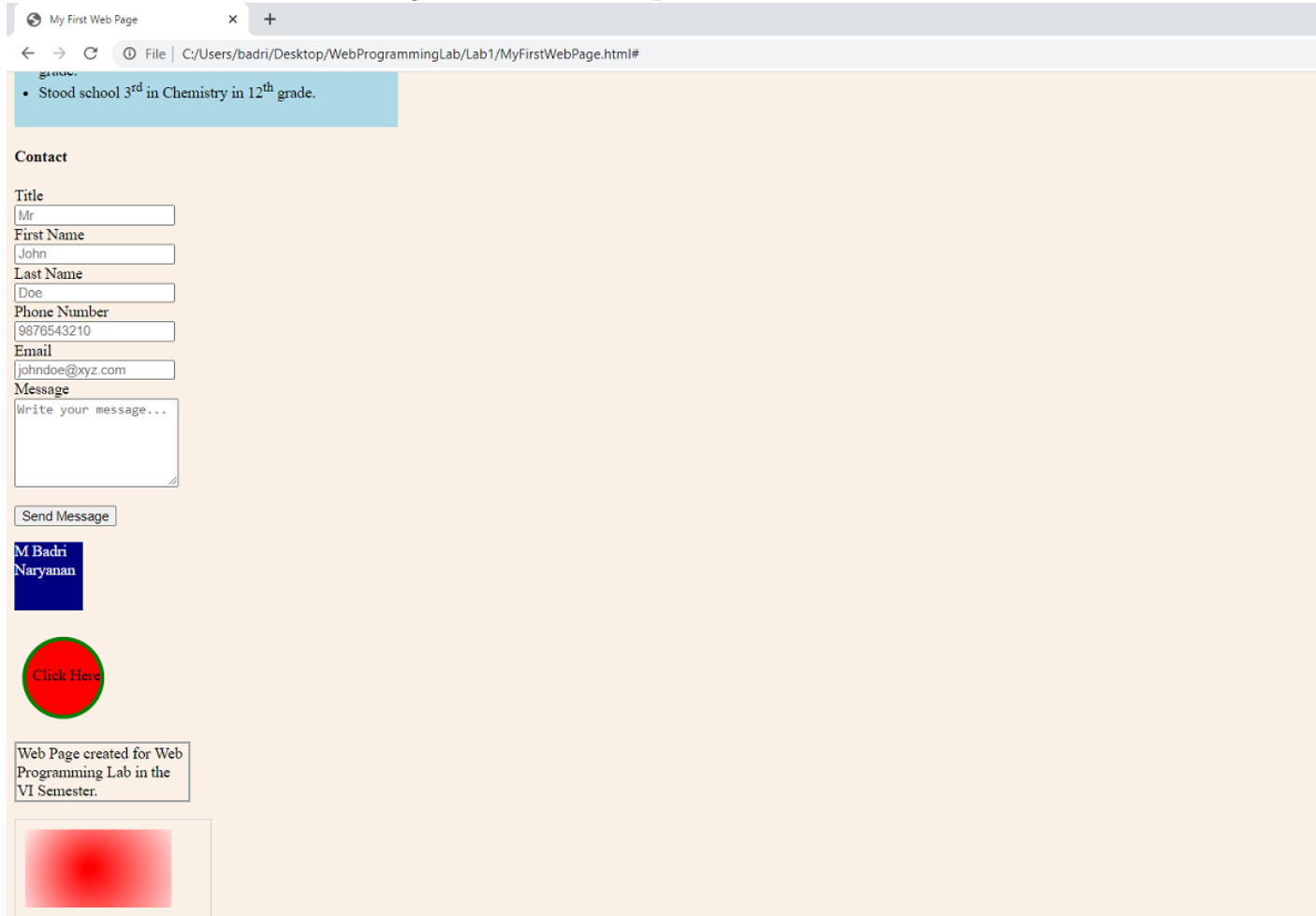
Extra Curricular

- Volunteering with Chennai Volunteers to teach spoken English classes for Tamil medium students.
- Captained the school cricket team
- Represented the college cricket team

Awards

- Won the 2nd best project in Computer Science in 12th grade.
- Stood school 3rd in Chemistry in 12th grade.

Figure 5: HTML4 Output Pic5



Experiment Name:	CSS2
Exercise Number:	1B
Date:	February 9, 2021

Types of CSS (inline, internal and external), Selectors, Box model, Layout, and Positioning.

HTML Code

```
<!DOCTYPE>
<html lang = "en">
<head>

    <meta charset="UTF-8">
    <meta name="description" content="Portfolio Web Page">
    <meta name="keywords" content="HTML5, CSS3, JavaScript">
    <meta name="author" content="M Badri Narayanan">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>My First Web Page</title>
    <link rel="icon" type="image/x-icon" href="images/favicon.ico" />
    <link rel="stylesheet" href="style.css">

<style>
    p.static
    {
        position: static;
        text-align: center;
        color: red;
    }
    p.border
    {
        width: 11em;
        border-style: groove;
        word-wrap: break-word;
    }
    div.transition
    {
        width: 70px;
        height: 70px;
        background: navy;
        color: white;
        transition: width 2s, height 4s;
    }
    div.transition:hover
    {
        width: 100px;
        height: 100px;
    }
    canvas
    {
        display : inline-block;
    }
</style>
<body>

    <header>
```

```

<h5>M Badri Narayanan Curriculum Vitae</h5><br>
<div id = "animated_div">Badri</div>
<audio controls>
    <source src="Audio.mp3" type="audio/mpeg">
    Your browser does not support the audio element.
</audio>
<video height = 200 video = 200 controls>
    <source src="Video.mp4" type="video/mp4">
    Your browser does not support the video tag.
</video>
<br>
<br>
<button onclick = "getLocation()">Click Here To Get Your
    ↪ Location</button>
<p id = "location"></p>
<script>
    var x = document.getElementById("location");

    function getLocation()
    {
        if (navigator.geolocation)
        {
            navigator.geolocation.
                getCurrentPosition(showPosition);
        }
        else
        {
            x.innerHTML = "Geolocation is not
            ↪ supported by this browser.";
        }
    }
    function showPosition(position)
    {
        const name="<iframe
        ↪ src='http://maps.google.com/maps?q=";
        const name2="&z=16&output=embed' height='450'
        ↪ width='600'>";
        x.innerHTML=
        ↪ name+position.coords.latitude+', '+
        position.coords.longitude+name2;
    }
</script>
</header>

<h1 class = "header" style="color:navy;">M Badri Narayanan</h1>

<img src = "Profile.png" alt = "My Profile Picture" usemap="#profile"
    ↪ height = "200" width = "200"></img><br>

<map name="profile">
    <area shape = "rect" coords="0,0,100,100" alt = "My GitHub
    ↪ Profile" href="https://github.com/MBadriNarayanan"
    ↪ target="_blank">
    <area shape = "rect" coords="100,100,200,200" alt = "My
    ↪ LinkedIn Profile"
    ↪ href="https://www.linkedin.com/in/mbadrinarayanan"
    ↪ target="_blank">
</map>

<h3>My Social Networking Sites</h3>
<ol>

```

```

<li><a href="https://github.com/MBadriNarayanan"
↳ target="_blank">GitHub</span></a></li>
<li><a href="https://www.linkedin.com/in/mbadrinarayanan"
↳ target="_blank">LinkedIn</a></li>
</ol>

<iframe src="https://mbadrinarayanan.github.io/" width="400"
↳ height="280" title="My existing portfolio website"></iframe>

<h3>Summary</h3>

<p class = "static">I am currently pursuing my bachelors in
↳ Information Technology from SSN College of Engineering, Chennai. I
↳ am interested in the fields of Machine Learning , Deep Learning,
↳ Natural Language Processing, Computer Vision and Data Science.I
↳ would like to work in the aforementioned fields and develop real
↳ world solutions. I am also an avid sports fan and my hobbies
↳ include playing cricket, listening to music, watching movies and
↳ reading books.</p>

<a href = #EducationDetails>My Education Details</a><br>
<a href = #ExtraCurricular>Extra Curricular</a><br>
<a href = #Awards>Awards</a><br>
<a href = #Contact>Contact</a>

<a name = "EducationDetails"></a>
<h4>My Education Details</h4>
<table border="1" align="left" width="40%">
  <tr><td>College / School</td><td>Grade</td><td>Marks
  ↳ Obtained</td></tr>
  <tr><td>SSN College of Engineering, Chennai</td><td>BTech
  ↳ Information Technology</td><td>Current GPA : 8.828 (V
  ↳ Semester)</td></tr>
  <tr><td>Vidya Mandir Senior Secondary School,
  ↳ Chennai</td><td>12<sup>th</sup> Grade, Computer Science
  ↳ Group</td><td>94.4 %</td></tr>
  <tr><td>Vidya Mandir Senior Secondary School,
  ↳ Chennai</td><td>10<sup>th</sup> Grade</td><td>8.828</td></tr>
</table>

<a name = "ExtraCurricular"></a>
<h4>Extra Curricular</h4>
<ul>
  <li>Volunteering with Chennai Volunteers to teach spoken
  ↳ English classes for Tamil medium students.</li>
  <li>Captained the school cricket team</li>
  <li>Represented the college cricket team</li>
</ul>

<a name = "Awards"></a>
<h4>Awards</h4>
<ul>
  <li>Won the 2<sup>nd</sup> best project in Computer Science in
  ↳ 12<sup>th</sup> grade.</li>
  <li>Stood school 3<sup>rd</sup> in Chemistry in
  ↳ 12<sup>th</sup> grade.</li>
</ul>

<a name = "Contact"></a>

```

```

<h4>Contact</h4>
<form method="post" action="#">
    <label for = "title">Title</label><br>
        <input type = "text" name = "title" id = "title"
            ↳ placeholder = "Mr"><br>
    <label for = "fname">First Name</label><br>
        <input type = "text" name = "firstname" id = "fname"
            ↳ placeholder = "John"><br>
    <label for = "lname">Last Name</label><br>
        <input type = "text" name = "lastname" id = "lname"
            ↳ placeholder = "Doe"><br>
    <label for="mobile">Phone Number</label><br>
        <input type = "mobile" id = "mobile" name = "mobile"
            ↳ placeholder = "9876543210"><br>
    <label for = "email">Email</label><br>
        <input type = "text" name = "email" id = "email"
            ↳ placeholder = "johndoe@xyz.com"><br>
    <label for = "message">Message</label><br>
        <textarea name = "message" id="message" placeholder =
            ↳ "Write your message..." style="margin: 0px; width:
            ↳ 168px; height: 91px;"></textarea><br><br>
    <input type = "submit" value = "Send Message">
</form>

<footer>
    <div class = "transition">M Badri Naryanan</div><br>
    <svg width="100" height="100">
        <circle cx="50" cy="50" r="40" stroke="green"
            ↳ stroke-width="4" fill="red" />
        <a href="https://mbadrinarayanan.github.io/" target
            ↳ ="_blank"><text x="18" y="53">Click
            ↳ Here</text></a>
    </svg>
    <p class = "border">Web Page created for Web Programming Lab
        ↳ in the VI Semester.</p>
    <canvas id="Canvas" width="200" height="100" style="border:1px
        ↳ solid #d3d3d3;">Your browser does not support the HTML
        ↳ canvas tag.</canvas>
    <script>
        var c = document.getElementById("Canvas");
        var ctx = c.getContext("2d");

        var grd = ctx.createRadialGradient(75,50,5,90,60,100);
        grd.addColorStop(0,"red");
        grd.addColorStop(1,"white");

        ctx.fillStyle = grd;
        ctx.fillRect(10,10,150,80);
    </script>
</footer>

</body>
</html>

```

CSS Code

```
body
{
    background-color: linen;
}
ul
{
    background-color: lightblue;
    width: 20%;
    padding: 25px;
}
.header
{
    background-color: rgb(255, 253, 208);
    padding: 20px;
    text-align: center;
}
#animated_div{
    width:70px;
    height:47px;
    background: #92B901;
    color: white;
    position: relative;
    font-weight:bold;
    font-size:20px;
    padding:10px;
    animation:animated_div 5s 1;
    -moz-animation:animated_div 5s 1;
    -webkit-animation:animated_div 5s 1;
    -o-animation:animated_div 5s 1;
    border-radius:5px;
    -webkit-border-radius:5px;
}

@keyframes animated_div
{
    0% {transform: rotate(0deg);left:0px;}
    25% {transform: rotate(20deg);left:0px;}
    50% {transform: rotate(0deg);left:500px;}
    55% {transform: rotate(0deg);left:500px;}
    70% {transform: rotate(0deg);left:500px;background:#1ec7e6;}
    100% {transform: rotate(-360deg);left:0px;}
}

@-webkit-keyframes animated_div
{
    0% {-webkit-transform: rotate(0deg);left:0px;}
    25% {-webkit-transform: rotate(20deg);left:0px;}
    50% {-webkit-transform: rotate(0deg);left:500px;}
    55% {-webkit-transform: rotate(0deg);left:500px;}
    70% {-webkit-transform: rotate(0deg);left:500px;background:#1ec7e6;}
    100% {-webkit-transform: rotate(-360deg);left:0px;}
}

@-moz-keyframes animated_div
{
    0% {-moz-transform: rotate(0deg);left:0px;}
    25% {-moz-transform: rotate(20deg);left:0px;}
```



```

50% {-moz-transform: rotate(0deg);left:500px;}
55% {-moz-transform: rotate(0deg);left:500px;}
70% {-moz-transform: rotate(0deg);left:500px;background:#1ec7e6;}
100% {-moz-transform: rotate(-360deg);left:0px;}
}

@-o-keyframes animated_div
{
0% {transform: rotate(0deg);left:0px;}
25% {transform: rotate(20deg);left:0px;}
50% {transform: rotate(0deg);left:500px;}
55% {transform: rotate(0deg);left:500px;}
70% {transform: rotate(0deg);left:500px;background:#1ec7e6;}
100% {transform: rotate(-360deg);left:0px;}
}

```

Output

Figure 6: CSS2 Output Pic1

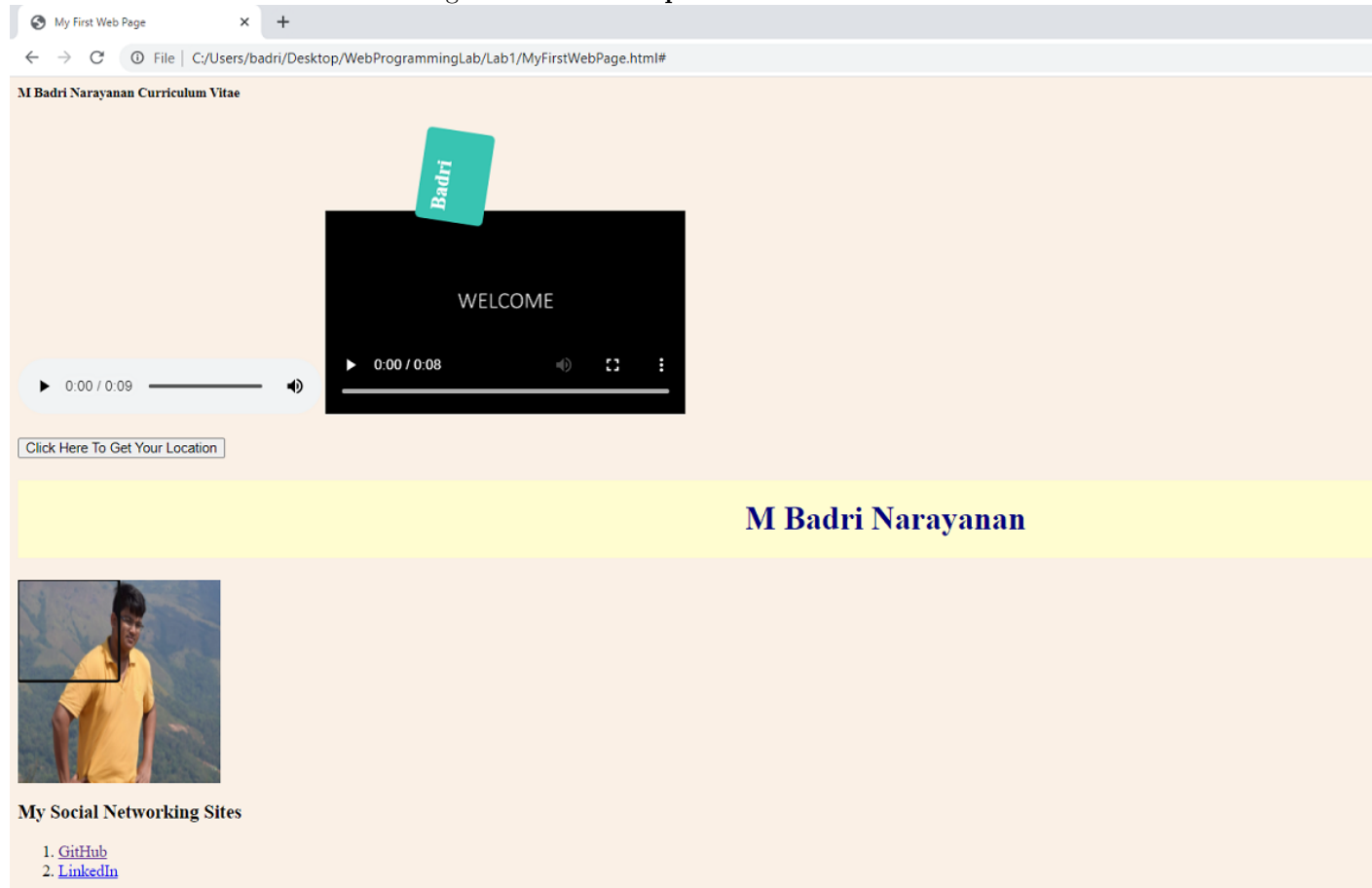
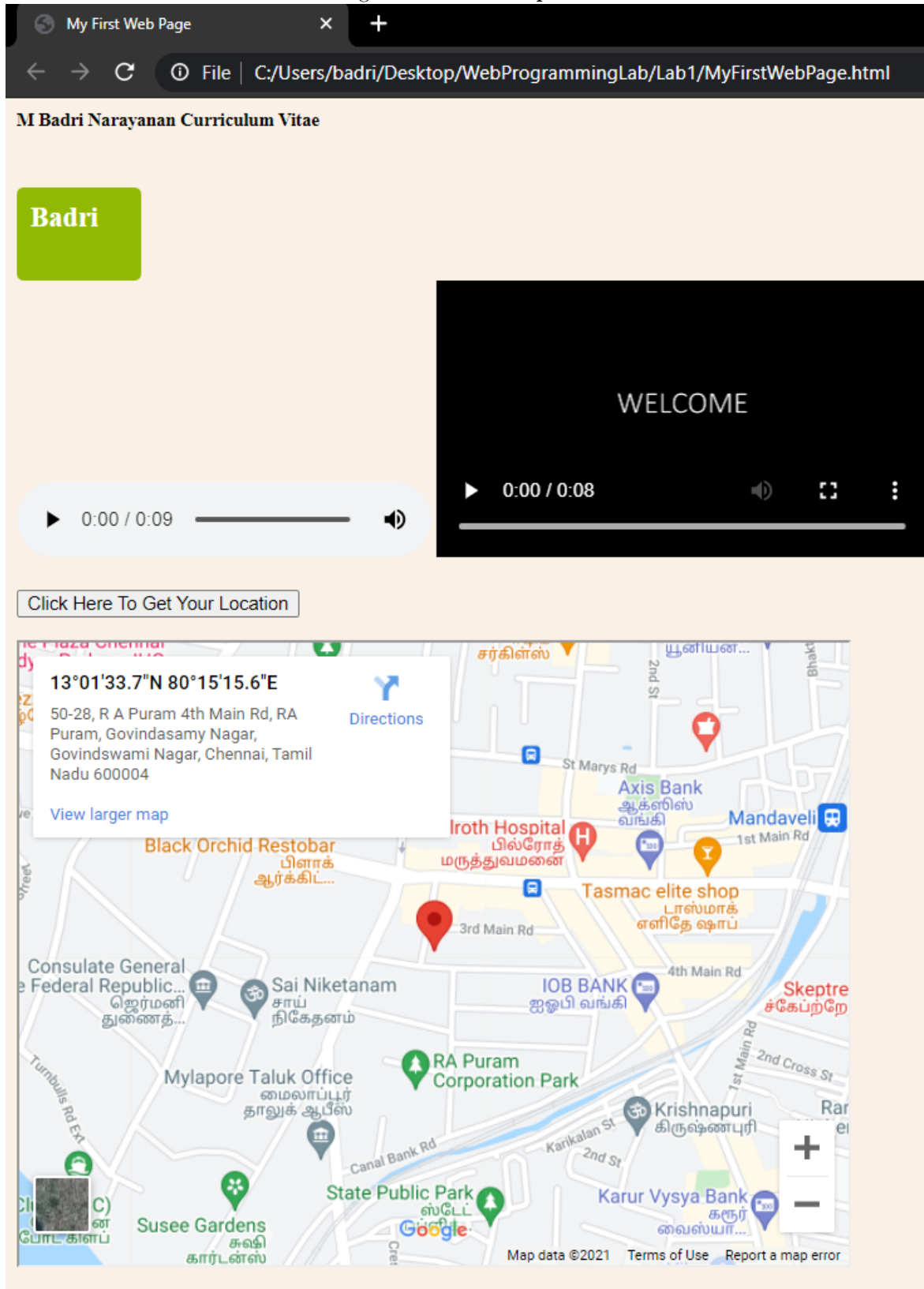


Figure 7: CSS2 Output Pic2



My First Web Page

File | C:/Users/badri/Desktop/WebProgrammingLab/Lab1/MyFirstWebPage.html#

M BADRI NARAYANAN

Machine Learning | Deep Learning | Natural Language Processing | Computer Vision | Data Science

Summary

I am currently pursuing my bachelors in Information Technology from SSN College of Engineering, Chennai. I am interested in the fields of Machine Learning , Deep Learning, Natural Language Processing and the aforementioned fields and develop real world solutions. I am also an avid sports fan and my hobbies include playing cricket, listening to music, watching movies.

My Education Details

College / School	Grade	Marks Obtained
SSN College of Engineering, Chennai	BTech Information Technology	Current GPA : 8.8 (IV Semester)
Vidya Mandir Senior Secondary School, Chennai	12 th Grade, Computer Science Group	94.4 %
Vidya Mandir Senior Secondary School, Chennai	10 th Grade	8.8



The screenshot shows a web browser window with the address bar displaying 'C:/Users/badri/Desktop/WebProgrammingLab/Lab1/MyFirstWebPage.html#'. The browser has a single tab titled 'My First Web Page'. The main content area has a light orange background and contains two sections: 'Extra Curricular' and 'Awards'. The 'Extra Curricular' section has a light blue box with three bullet points: 'Volunteering with Chennai Volunteers to teach spoken English classes for Tamil medium students.', 'Captained the school cricket team', and 'Represented the college cricket team'. The 'Awards' section has a light blue box with two bullet points: 'Won the 2nd best project in Computer Science in 12th grade.' and 'Stood school 3rd in Chemistry in 12th grade.'

My First Web Page

File | C:/Users/badri/Desktop/WebProgrammingLab/Lab1/MyFirstWebPage.html#

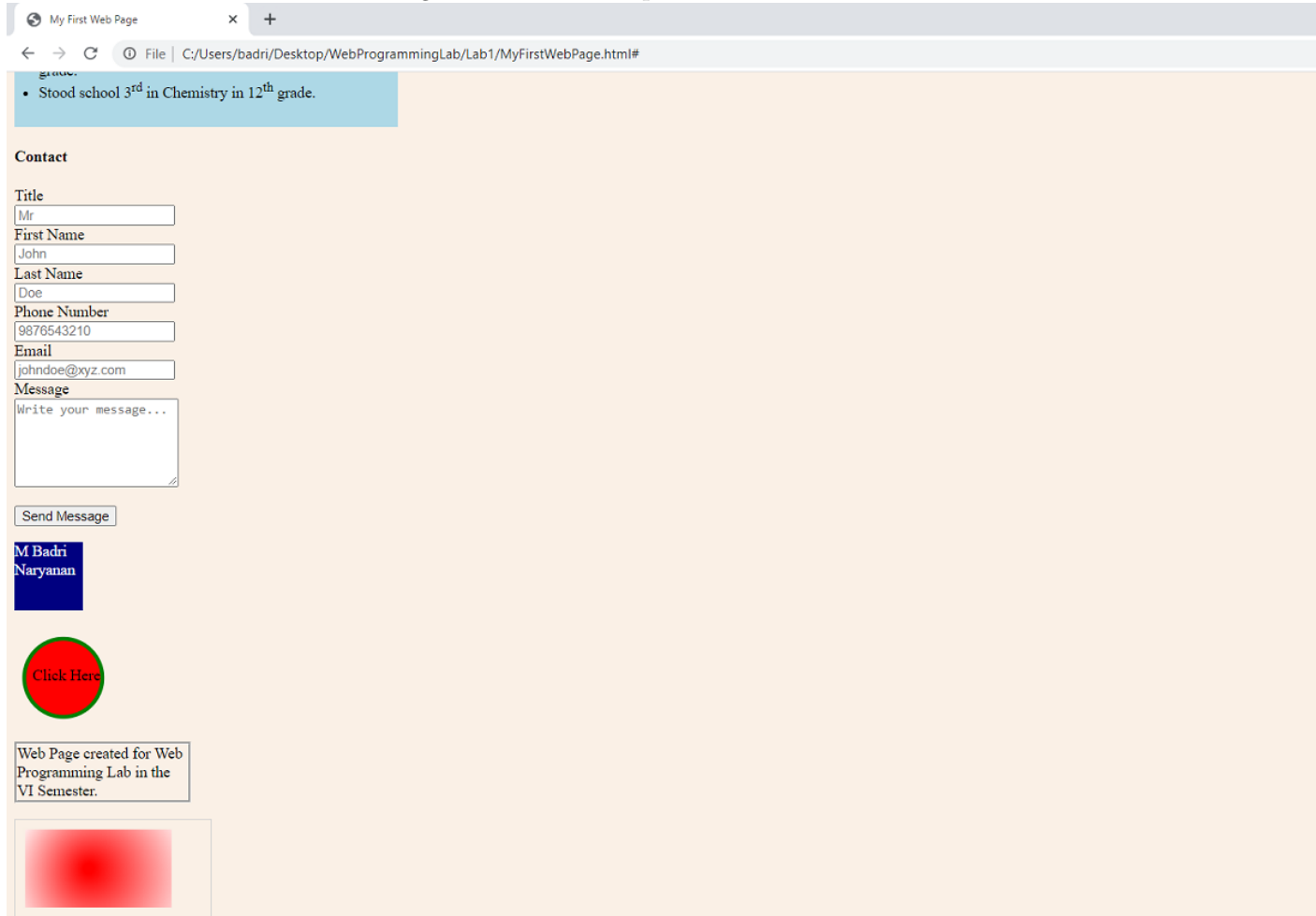
Extra Curricular

- Volunteering with Chennai Volunteers to teach spoken English classes for Tamil medium students.
- Captained the school cricket team
- Represented the college cricket team

Awards

- Won the 2nd best project in Computer Science in 12th grade.
- Stood school 3rd in Chemistry in 12th grade.

Figure 10: CSS2 Output Pic5



Experiment Name: HTML5
Exercise Number: 1C
Date: February 16, 2021

New Structural Elements, Audio, Video, Form creation, Canvas API, SVG, and Geo location.

HTML Code

```
<!DOCTYPE>
<html lang = "en">
<head>

    <meta charset="UTF-8">
    <meta name="description" content="Portfolio Web Page">
    <meta name="keywords" content="HTML5, CSS3, JavaScript">
    <meta name="author" content="M Badri Narayanan">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>My First Web Page</title>
    <link rel="icon" type="image/x-icon" href="images/favicon.ico" />
    <link rel="stylesheet" href="style.css">

<style>
    p.static
    {
        position: static;
        text-align: center;
        color: red;
    }
    p.border
    {
        width: 11em;
        border-style: groove;
        word-wrap: break-word;
    }
    div.transition
    {
        width: 70px;
        height: 70px;
        background: navy;
        color: white;
        transition: width 2s, height 4s;
    }
    div.transition:hover
    {
        width: 100px;
        height: 100px;
    }
    canvas
    {
        display : inline-block;
    }
</style>
<body>

    <header>
```

```

<h5>M Badri Narayanan Curriculum Vitae</h5><br>
<div id = "animated_div">Badri</div>
<audio controls>
    <source src="Audio.mp3" type="audio/mpeg">
    Your browser does not support the audio element.
</audio>
<video height = 200 video = 200 controls>
    <source src="Video.mp4" type="video/mp4">
    Your browser does not support the video tag.
</video>
<br>
<br>
<button onclick = "getLocation()">Click Here To Get Your
↪ Location</button>
<p id = "location"></p>
<script>
    var x = document.getElementById("location");

    function getLocation()
    {
        if (navigator.geolocation)
        {
            navigator.geolocation.
                getCurrentPosition(showPosition);
        }
        else
        {
            x.innerHTML = "Geolocation is not
↪ supported by this browser.";
        }
    }
    function showPosition(position)
    {
        const name="<iframe
↪ src='http://maps.google.com/maps?q=";
        const name2="&z=16&output=embed' height='450'
↪ width='600'>";
        x.innerHTML=
↪ name+position.coords.latitude+', '+
        position.coords.longitude+name2;
    }
</script>
</header>

<h1 class = "header" style="color:navy;">M Badri Narayanan</h1>

<img src = "Profile.png" alt = "My Profile Picture" usemap="#profile"
↪ height = "200" width = "200"></img><br>

<map name="profile">
    <area shape = "rect" coords="0,0,100,100" alt = "My GitHub
↪ Profile" href="https://github.com/MBadriNarayanan"
↪ target="_blank">
    <area shape = "rect" coords="100,100,200,200" alt = "My
↪ LinkedIn Profile"
↪ href="https://www.linkedin.com/in/mbadrinarayanan"
↪ target="_blank">
</map>

<h3>My Social Networking Sites</h3>
<ol>

```

```

<li><a href="https://github.com/MBadriNarayanan"
↳ target="_blank">GitHub</span></a></li>
<li><a href="https://www.linkedin.com/in/mbadrinarayanan"
↳ target="_blank">LinkedIn</a></li>
</ol>

<iframe src="https://mbadrinarayanan.github.io/" width="400"
↳ height="280" title="My existing portfolio website"></iframe>

<h3>Summary</h3>

<p class = "static">I am currently pursuing my bachelors in
↳ Information Technology from SSN College of Engineering, Chennai. I
↳ am interested in the fields of Machine Learning , Deep Learning,
↳ Natural Language Processing, Computer Vision and Data Science.I
↳ would like to work in the aforementioned fields and develop real
↳ world solutions. I am also an avid sports fan and my hobbies
↳ include playing cricket, listening to music, watching movies and
↳ reading books.</p>

<a href = #EducationDetails>My Education Details</a><br>
<a href = #ExtraCurricular>Extra Curricular</a><br>
<a href = #Awards>Awards</a><br>
<a href = #Contact>Contact</a>

<a name = "EducationDetails"></a>
<h4>My Education Details</h4>
<table border="1" align="left" width="40%">
  <tr><td>College / School</td><td>Grade</td><td>Marks
  ↳ Obtained</td></tr>
  <tr><td>SSN College of Engineering, Chennai</td><td>BTech
  ↳ Information Technology</td><td>Current GPA : 8.828 (V
  ↳ Semester)</td></tr>
  <tr><td>Vidya Mandir Senior Secondary School,
  ↳ Chennai</td><td>12<sup>th</sup> Grade, Computer Science
  ↳ Group</td><td>94.4 %</td></tr>
  <tr><td>Vidya Mandir Senior Secondary School,
  ↳ Chennai</td><td>10<sup>th</sup> Grade</td><td>8.828</td></tr>
</table>

<a name = "ExtraCurricular"></a>
<h4>Extra Curricular</h4>
<ul>
  <li>Volunteering with Chennai Volunteers to teach spoken
  ↳ English classes for Tamil medium students.</li>
  <li>Captained the school cricket team</li>
  <li>Represented the college cricket team</li>
</ul>

<a name = "Awards"></a>
<h4>Awards</h4>
<ul>
  <li>Won the 2<sup>nd</sup> best project in Computer Science in
  ↳ 12<sup>th</sup> grade.</li>
  <li>Stood school 3<sup>rd</sup> in Chemistry in
  ↳ 12<sup>th</sup> grade.</li>
</ul>

<a name = "Contact"></a>

```

```

<h4>Contact</h4>
<form method="post" action="#">
    <label for = "title">Title</label><br>
        <input type = "text" name = "title" id = "title"
            ↳ placeholder = "Mr"><br>
    <label for = "fname">First Name</label><br>
        <input type = "text" name = "firstname" id = "fname"
            ↳ placeholder = "John"><br>
    <label for = "lname">Last Name</label><br>
        <input type = "text" name = "lastname" id = "lname"
            ↳ placeholder = "Doe"><br>
    <label for="mobile">Phone Number</label><br>
        <input type = "mobile" id = "mobile" name = "mobile"
            ↳ placeholder = "9876543210"><br>
    <label for = "email">Email</label><br>
        <input type = "text" name = "email" id = "email"
            ↳ placeholder = "johndoe@xyz.com"><br>
    <label for = "message">Message</label><br>
        <textarea name = "message" id="message" placeholder =
            ↳ "Write your message..." style="margin: 0px; width:
            ↳ 168px; height: 91px;"></textarea><br><br>
    <input type = "submit" value = "Send Message">
</form>

<footer>
    <div class = "transition">M Badri Naryanan</div><br>
    <svg width="100" height="100">
        <circle cx="50" cy="50" r="40" stroke="green"
            ↳ stroke-width="4" fill="red" />
        <a href="https://mbadrinarayanan.github.io/" target
            ↳ ="_blank"><text x="18" y="53">Click
            ↳ Here</text></a>
    </svg>
    <p class = "border">Web Page created for Web Programming Lab
        ↳ in the VI Semester.</p>
    <canvas id="Canvas" width="200" height="100" style="border:1px
        ↳ solid #d3d3d3;">Your browser does not support the HTML
        ↳ canvas tag.</canvas>
    <script>
        var c = document.getElementById("Canvas");
        var ctx = c.getContext("2d");

        var grd = ctx.createRadialGradient(75,50,5,90,60,100);
        grd.addColorStop(0,"red");
        grd.addColorStop(1,"white");

        ctx.fillStyle = grd;
        ctx.fillRect(10,10,150,80);
    </script>
</footer>

</body>
</html>

```

CSS Code

```
body
{
    background-color: linen;
}
ul
{
    background-color: lightblue;
    width: 20%;
    padding: 25px;
}
.header
{
    background-color: rgb(255, 253, 208);
    padding: 20px;
    text-align: center;
}
#animated_div{
    width:70px;
    height:47px;
    background: #92B901;
    color: white;
    position: relative;
    font-weight:bold;
    font-size:20px;
    padding:10px;
    animation:animated_div 5s 1;
    -moz-animation:animated_div 5s 1;
    -webkit-animation:animated_div 5s 1;
    -o-animation:animated_div 5s 1;
    border-radius:5px;
    -webkit-border-radius:5px;
}

@keyframes animated_div
{
    0% {transform: rotate(0deg);left:0px;}
    25% {transform: rotate(20deg);left:0px;}
    50% {transform: rotate(0deg);left:500px;}
    55% {transform: rotate(0deg);left:500px;}
    70% {transform: rotate(0deg);left:500px;background:#1ec7e6;}
    100% {transform: rotate(-360deg);left:0px;}
}

@-webkit-keyframes animated_div
{
    0% {-webkit-transform: rotate(0deg);left:0px;}
    25% {-webkit-transform: rotate(20deg);left:0px;}
    50% {-webkit-transform: rotate(0deg);left:500px;}
    55% {-webkit-transform: rotate(0deg);left:500px;}
    70% {-webkit-transform: rotate(0deg);left:500px;background:#1ec7e6;}
    100% {-webkit-transform: rotate(-360deg);left:0px;}
}

@-moz-keyframes animated_div
{
    0% {-moz-transform: rotate(0deg);left:0px;}
    25% {-moz-transform: rotate(20deg);left:0px;}
    50% {-moz-transform: rotate(0deg);left:500px;}
    55% {-moz-transform: rotate(0deg);left:500px;}
}
```

```

70% {-moz-transform: rotate(0deg);left:500px;background:#1ec7e6;}
100% {-moz-transform: rotate(-360deg);left:0px;}
}

@-o-keyframes animated_div
{
0% {transform: rotate(0deg);left:0px;}
25% {transform: rotate(20deg);left:0px;}
50% {transform: rotate(0deg);left:500px;}
55% {transform: rotate(0deg);left:500px;}
70% {transform: rotate(0deg);left:500px;background:#1ec7e6;}
100% {transform: rotate(-360deg);left:0px;}
}

```

Output

Figure 11: HTML5 Output Pic1

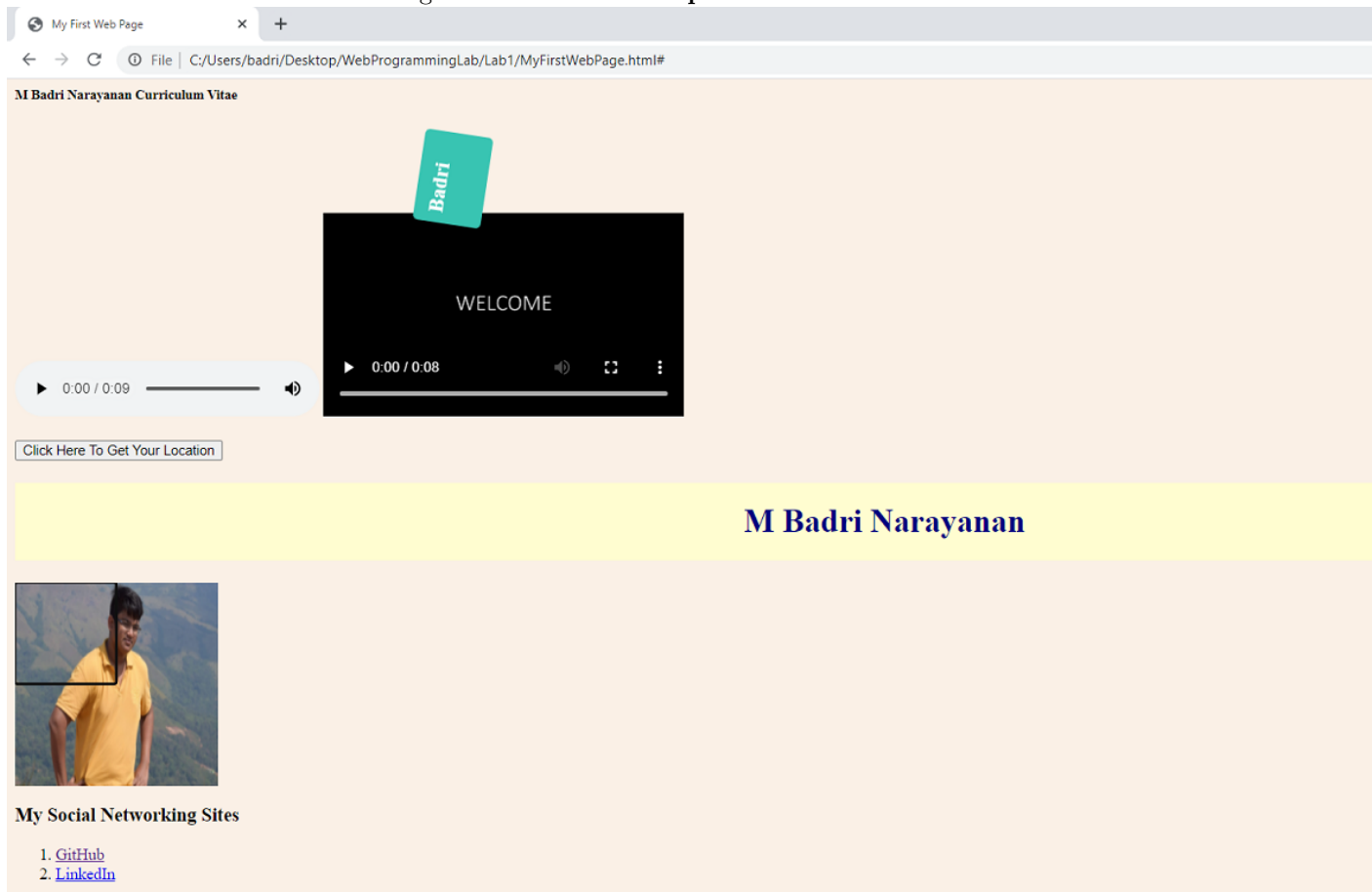
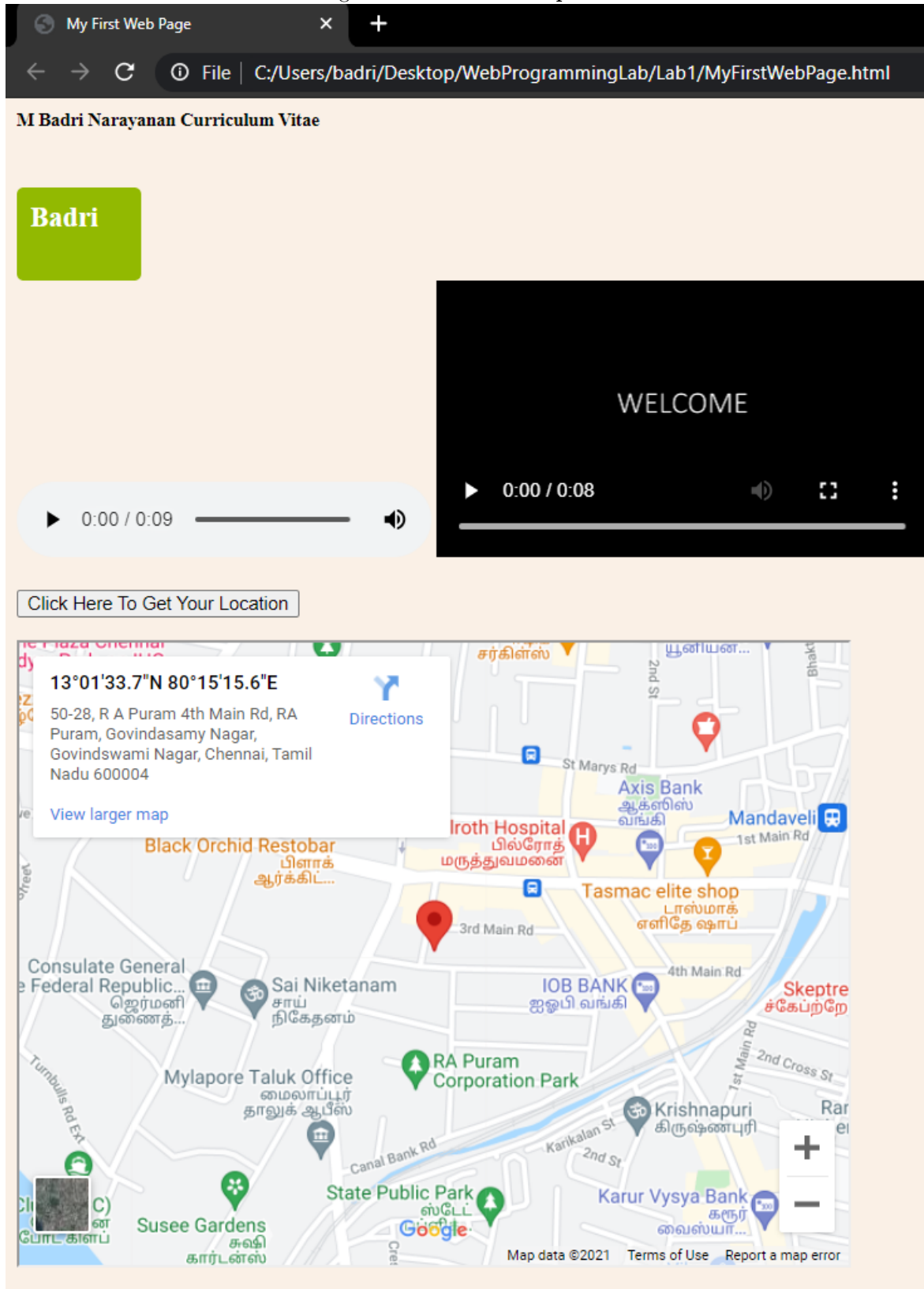


Figure 12: HTML5 Output Pic2



My First Web Page

File | C:/Users/badri/Desktop/WebProgrammingLab/Lab1/MyFirstWebPage.html#

M BADRI NARAYANAN

Machine Learning | Deep Learning | Natural Language Processing | Computer Vision | Data Science

Summary

I am currently pursuing my bachelors in Information Technology from SSN College of Engineering, Chennai. I am interested in the fields of Machine Learning , Deep Learning, Natural Language Processing in the aforementioned fields and develop real world solutions. I am also an avid sports fan and my hobbies include playing cricket, listening to music, watching movies.

[My Education Details](#)
[Extra Curricular](#)
[Awards](#)
[Contact](#)

My Education Details

College / School	Grade	Marks Obtained
SSN College of Engineering, Chennai	BTech Information Technology	Current GPA : 8.8 (IV Semester)
Vidya Mandir Senior Secondary School, Chennai	12 th Grade, Computer Science Group	94.4 %
Vidya Mandir Senior Secondary School, Chennai	10 th Grade	8.8



My First Web Page

File | C:/Users/badri/Desktop/WebProgrammingLab/Lab1/MyFirstWebPage.html#

Extra Curricular

- Volunteering with Chennai Volunteers to teach spoken English classes for Tamil medium students.
- Captained the school cricket team
- Represented the college cricket team

Awards

- Won the 2nd best project in Computer Science in 12th grade.
- Stood school 3rd in Chemistry in 12th grade.

Figure 15: HTML5 Output Pic5

My First Web Page

File | C:/Users/badri/Desktop/WebProgrammingLab/Lab1/MyFirstWebPage.html#

- Stood school 3rd in Chemistry in 12th grade.

Contact

Title
Mr

First Name
John

Last Name
Doe

Phone Number
9876543210

Email
johndoe@xyz.com


Message
Write your message...

Send Message

M Badri
Naryanan

Click Here

Web Page created for Web
Programming Lab in the
VI Semester.



Experiment Name: CSS3
Exercise Number: 1D
Date: February 9, 2021

Borders, Text effects, Animation, and Transitions.

HTML Code

```
<!DOCTYPE>
<html lang = "en">
<head>

    <meta charset="UTF-8">
    <meta name="description" content="Portfolio Web Page">
    <meta name="keywords" content="HTML5, CSS3, JavaScript">
    <meta name="author" content="M Badri Narayanan">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>My First Web Page</title>
    <link rel="icon" type="image/x-icon" href="images/favicon.ico" />
    <link rel="stylesheet" href="style.css">

<style>
    p.static
    {
        position: static;
        text-align: center;
        color: red;
    }
    p.border
    {
        width: 11em;
        border-style: groove;
        word-wrap: break-word;
    }
    div.transition
    {
        width: 70px;
        height: 70px;
        background: navy;
        color: white;
        transition: width 2s, height 4s;
    }
    div.transition:hover
    {
        width: 100px;
        height: 100px;
    }
    canvas
    {
        display : inline-block;
    }
</style>
<body>

    <header>
        <h5>M Badri Narayanan Curriculum Vitae</h5><br>
```

```

<div id = "animated_div">Badri</div>
<audio controls>
    <source src="Audio.mp3" type="audio/mpeg">
    Your browser does not support the audio element.
</audio>
<video height = 200 video = 200 controls>
    <source src="Video.mp4" type="video/mp4">
    Your browser does not support the video tag.
</video>
<br>
<br>
<button onclick = "getLocation()">Click Here To Get Your
↪ Location</button>
<p id = "location"></p>
<script>
    var x = document.getElementById("location");

    function getLocation()
    {
        if (navigator.geolocation)
        {
            navigator.geolocation.
                getCurrentPosition(showPosition);
        }
        else
        {
            x.innerHTML = "Geolocation is not
↪ supported by this browser.";
        }
    }
    function showPosition(position)
    {
        const name="<iframe
↪ src='http://maps.google.com/maps?q=";
        const name2="&z=16&output=embed' height='450'
↪ width='600'>";
        x.innerHTML=
↪ name+position.coords.latitude+', '+
        position.coords.longitude+name2;
    }
</script>
</header>

<h1 class = "header" style="color:navy;">M Badri Narayanan</h1>

<img src = "Profile.png" alt = "My Profile Picture" usemap="#profile"
↪ height = "200" width = "200"></img><br>

<map name="profile">
    <area shape = "rect" coords="0,0,100,100" alt = "My GitHub
↪ Profile" href="https://github.com/MBadriNarayanan"
↪ target="_blank">
    <area shape = "rect" coords="100,100,200,200" alt = "My
↪ LinkedIn Profile"
↪ href="https://www.linkedin.com/in/mbadrinarayanan"
↪ target="_blank">
</map>

<h3>My Social Networking Sites</h3>
<ol>

```

```

<li><a href="https://github.com/MBadriNarayanan"
↳ target="_blank">GitHub</span></a></li>
<li><a href="https://www.linkedin.com/in/mbadrinarayanan"
↳ target="_blank">LinkedIn</a></li>
</ol>

<iframe src="https://mbadrinarayanan.github.io/" width="400"
↳ height="280" title="My existing portfolio website"></iframe>

<h3>Summary</h3>

<p class = "static">I am currently pursuing my bachelors in
↳ Information Technology from SSN College of Engineering, Chennai. I
↳ am interested in the fields of Machine Learning , Deep Learning,
↳ Natural Language Processing, Computer Vision and Data Science.I
↳ would like to work in the aforementioned fields and develop real
↳ world solutions. I am also an avid sports fan and my hobbies
↳ include playing cricket, listening to music, watching movies and
↳ reading books.</p>

<a href = #EducationDetails>My Education Details</a><br>
<a href = #ExtraCurricular>Extra Curricular</a><br>
<a href = #Awards>Awards</a><br>
<a href = #Contact>Contact</a>

<a name = "EducationDetails"></a>
<h4>My Education Details</h4>
<table border="1" align="left" width="40%">
  <tr><td>College / School</td><td>Grade</td><td>Marks
  ↳ Obtained</td></tr>
  <tr><td>SSN College of Engineering, Chennai</td><td>BTech
  ↳ Information Technology</td><td>Current GPA : 8.828 (V
  ↳ Semester)</td></tr>
  <tr><td>Vidya Mandir Senior Secondary School,
  ↳ Chennai</td><td>12<sup>th</sup> Grade, Computer Science
  ↳ Group</td><td>94.4 %</td></tr>
  <tr><td>Vidya Mandir Senior Secondary School,
  ↳ Chennai</td><td>10<sup>th</sup>
  ↳ Grade</td><td>8.828</td></tr>
</table>

<a name = "ExtraCurricular"></a>
<h4>Extra Curricular</h4>
<ul>
  <li>Volunteering with Chennai Volunteers to teach spoken
  ↳ English classes for Tamil medium students.</li>
  <li>Captained the school cricket team</li>
  <li>Represented the college cricket team</li>
</ul>

<a name = "Awards"></a>
<h4>Awards</h4>
<ul>
  <li>Won the 2<sup>nd</sup> best project in Computer Science in
  ↳ 12<sup>th</sup> grade.</li>
  <li>Stood school 3<sup>rd</sup> in Chemistry in
  ↳ 12<sup>th</sup> grade.</li>
</ul>

<a name = "Contact"></a>

```



```

<h4>Contact</h4>
<form method="post" action="#">
    <label for = "title">Title</label><br>
        <input type = "text" name = "title" id = "title"
            ↳ placeholder = "Mr"><br>
    <label for = "fname">First Name</label><br>
        <input type = "text" name = "firstname" id = "fname"
            ↳ placeholder = "John"><br>
    <label for = "lname">Last Name</label><br>
        <input type = "text" name = "lastname" id = "lname"
            ↳ placeholder = "Doe"><br>
    <label for="mobile">Phone Number</label><br>
        <input type = "mobile" id = "mobile" name = "mobile"
            ↳ placeholder = "9876543210"><br>
    <label for = "email">Email</label><br>
        <input type = "text" name = "email" id = "email"
            ↳ placeholder = "johndoe@xyz.com"><br>
    <label for = "message">Message</label><br>
        <textarea name = "message" id="message" placeholder =
            ↳ "Write your message..." style="margin: 0px; width:
            ↳ 168px; height: 91px;"></textarea><br><br>
    <input type = "submit" value = "Send Message">
</form>

<footer>
    <div class = "transition">M Badri Naryanan</div><br>
    <svg width="100" height="100">
        <circle cx="50" cy="50" r="40" stroke="green"
            ↳ stroke-width="4" fill="red" />
        <a href="https://mbadrinarayanan.github.io/" target
            ↳ ="_blank"><text x="18" y="53">Click
            ↳ Here</text></a>
    </svg>
    <p class = "border">Web Page created for Web Programming Lab
        ↳ in the VI Semester.</p>
    <canvas id="Canvas" width="200" height="100" style="border:1px
        ↳ solid #d3d3d3;">Your browser does not support the HTML
        ↳ canvas tag.</canvas>
    <script>
        var c = document.getElementById("Canvas");
        var ctx = c.getContext("2d");

        var grd = ctx.createRadialGradient(75,50,5,90,60,100);
        grd.addColorStop(0,"red");
        grd.addColorStop(1,"white");

        ctx.fillStyle = grd;
        ctx.fillRect(10,10,150,80);
    </script>
</footer>

</body>
</html>

```

CSS Code

```
body
{
    background-color: linen;
}
ul
{
    background-color: lightblue;
    width: 20%;
    padding: 25px;
}
.header
{
    background-color: rgb(255, 253, 208);
    padding: 20px;
    text-align: center;
}
#animated_div{
    width:70px;
    height:47px;
    background: #92B901;
    color: white;
    position: relative;
    font-weight:bold;
    font-size:20px;
    padding:10px;
    animation:animated_div 5s 1;
    -moz-animation:animated_div 5s 1;
    -webkit-animation:animated_div 5s 1;
    -o-animation:animated_div 5s 1;
    border-radius:5px;
    -webkit-border-radius:5px;
}

@keyframes animated_div
{
    0% {transform: rotate(0deg);left:0px;}
    25% {transform: rotate(20deg);left:0px;}
    50% {transform: rotate(0deg);left:500px;}
    55% {transform: rotate(0deg);left:500px;}
    70% {transform: rotate(0deg);left:500px;background:#1ec7e6;}
    100% {transform: rotate(-360deg);left:0px;}
}

@-webkit-keyframes animated_div
{
    0% {-webkit-transform: rotate(0deg);left:0px;}
    25% {-webkit-transform: rotate(20deg);left:0px;}
    50% {-webkit-transform: rotate(0deg);left:500px;}
    55% {-webkit-transform: rotate(0deg);left:500px;}
    70% {-webkit-transform: rotate(0deg);left:500px;background:#1ec7e6;}
    100% {-webkit-transform: rotate(-360deg);left:0px;}
}

@-moz-keyframes animated_div
{
    0% {-moz-transform: rotate(0deg);left:0px;}
    25% {-moz-transform: rotate(20deg);left:0px;}
```

```

50% {-moz-transform: rotate(0deg);left:500px;}
55% {-moz-transform: rotate(0deg);left:500px;}
70% {-moz-transform: rotate(0deg);left:500px;background:#1ec7e6;}
100% {-moz-transform: rotate(-360deg);left:0px;}
}

@-o-keyframes animated_div
{
0% {transform: rotate(0deg);left:0px;}
25% {transform: rotate(20deg);left:0px;}
50% {transform: rotate(0deg);left:500px;}
55% {transform: rotate(0deg);left:500px;}
70% {transform: rotate(0deg);left:500px;background:#1ec7e6;}
100% {transform: rotate(-360deg);left:0px;}
}

```

Output

Figure 16: CSS3 Output Pic1

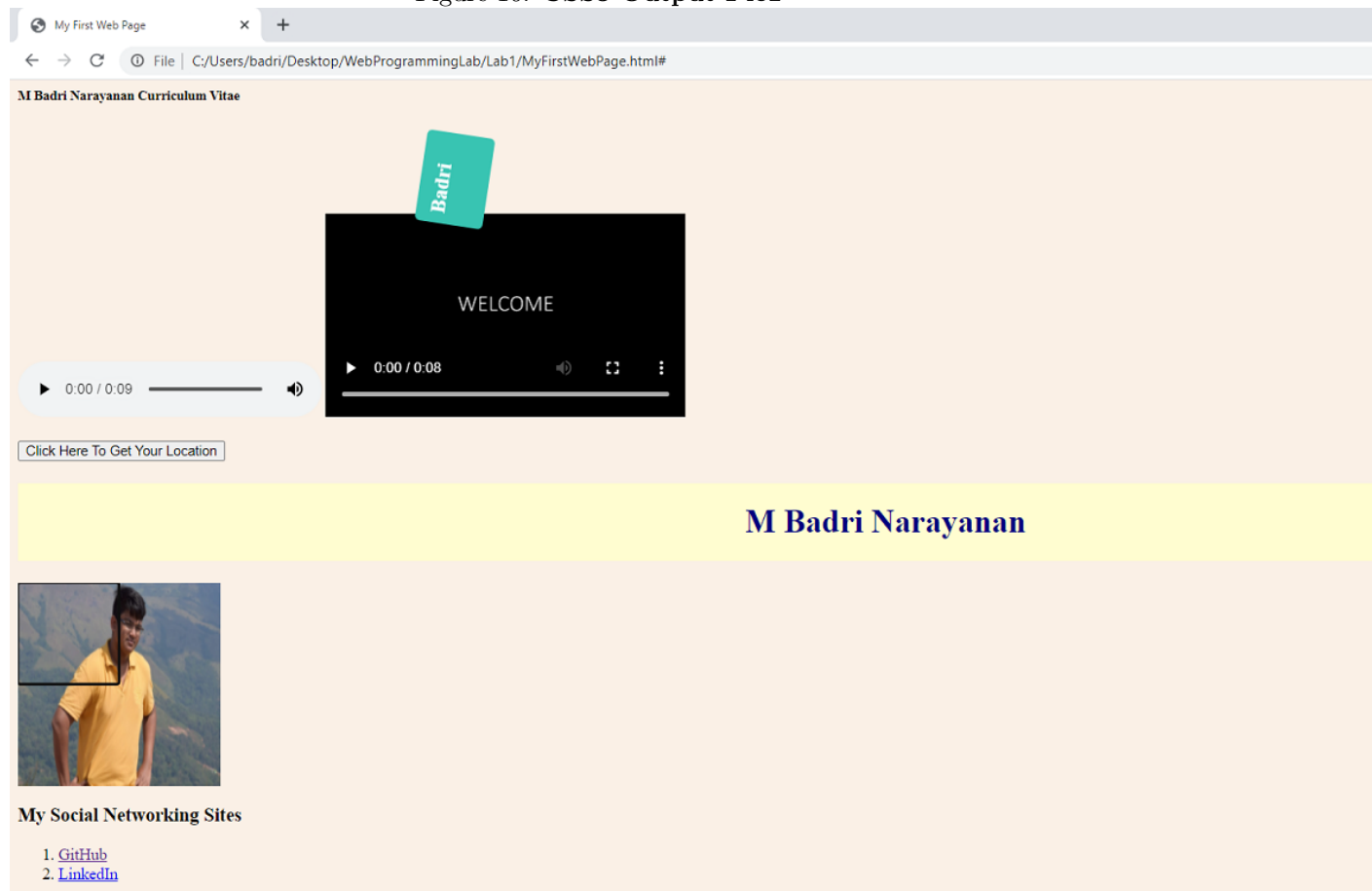
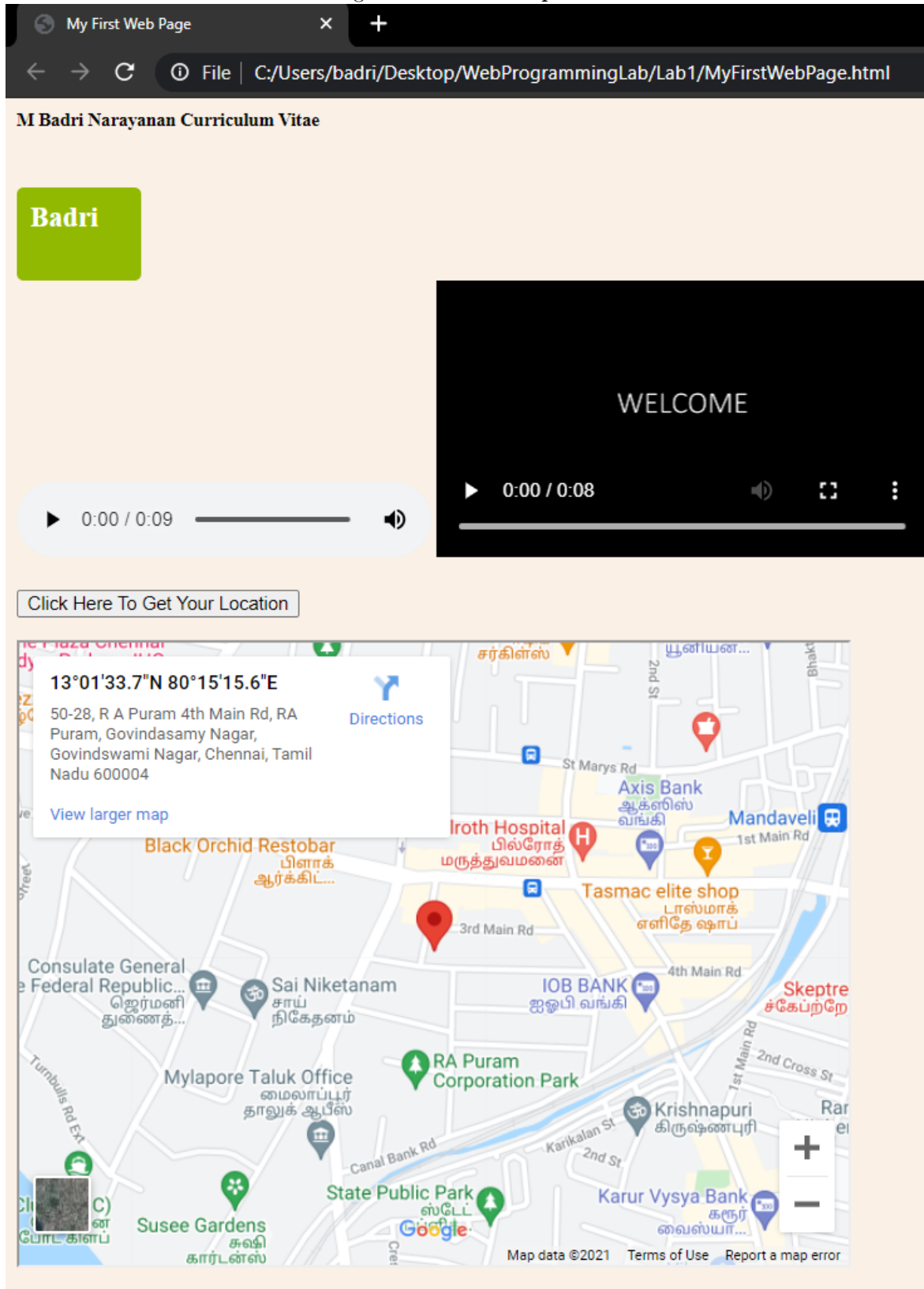


Figure 17: CSS3 Output Pic2



My First Web Page

File | C:/Users/badri/Desktop/WebProgrammingLab/Lab1/MyFirstWebPage.html#

M BADRI NARAYANAN

Machine Learning | Deep Learning | Natural Language Processing | Computer Vision | Data Science

Summary

I am currently pursuing my bachelors in Information Technology from SSN College of Engineering, Chennai. I am interested in the fields of Machine Learning , Deep Learning, Natural Language Processing and the aforementioned fields and develop real world solutions. I am also an avid sports fan and my hobbies include playing cricket, listening to music, watching movies

[My Education Details](#)
[Extra Curricular](#)
[Awards](#)
[Contact](#)

My Education Details

College / School	Grade	Marks Obtained
SSN College of Engineering, Chennai	BTech Information Technology	Current GPA : 8.8 (IV Semester)
Vidya Mandir Senior Secondary School, Chennai	12 th Grade, Computer Science Group	94.4 %
Vidya Mandir Senior Secondary School, Chennai	10 th Grade	8.8



My First Web Page

File | C:/Users/badri/Desktop/WebProgrammingLab/Lab1/MyFirstWebPage.html#

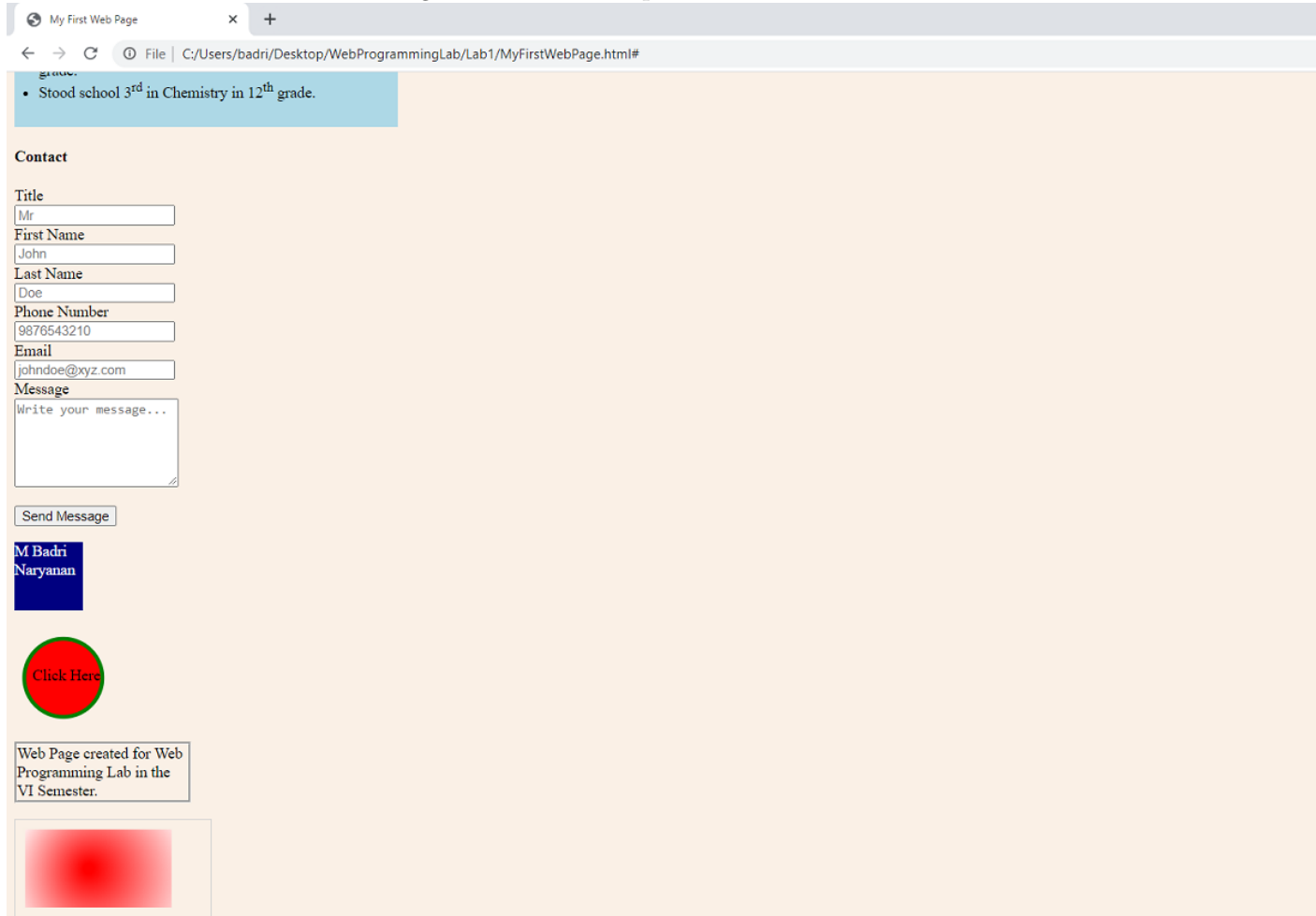
Extra Curricular

- Volunteering with Chennai Volunteers to teach spoken English classes for Tamil medium students.
- Captained the school cricket team
- Represented the college cricket team

Awards

- Won the 2nd best project in Computer Science in 12th grade.
- Stood school 3rd in Chemistry in 12th grade.

Figure 20: CSS3 Output Pic5



Result

A website has been created successfully, using different tags in HTML and different selectors and features in CSS.
