

# BCSE203E- Web Programming

## Assessment 6.1 Report

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*Index.html*

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### Description

#### ### HTML Tags:

- `<nav>`: Defines a navigation section containing a list of links.
- `<ul>`: Represents an unordered list.
- `<li>`: Represents a list item within an unordered list.
- `<a href="url" target="_blank">`: Defines hyperlinks to other pages with the `target` attribute set to open links in a new tab.
- `<div class="content">`: Defines a container for the main content of the webpage.
- `<header>`: Represents introductory content typically containing headings and introductory text.
- ``: Embeds an image with a specified source and alternative text.
- `<h1>`, `<h2>`: Defines headings of different levels.
- `<p>`: Defines a paragraph of text.
- `<footer>`: Represents the footer section of the document.
- `<div class="container">`: Defines a container for organizing and styling content.
- `<p>`: Represents a paragraph of text.

#### ### CSS:

1. `link href="https://fonts.googleapis.com/css2?family=Roboto:wght@400;700&display=swap" rel="stylesheet"`: Links an external stylesheet from Google Fonts to import the Roboto font family with specific weights.
2. Inline CSS within `<div class="container" style="padding-bottom: 100px;">`: Sets padding-bottom style for the container div.

### Source Code

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

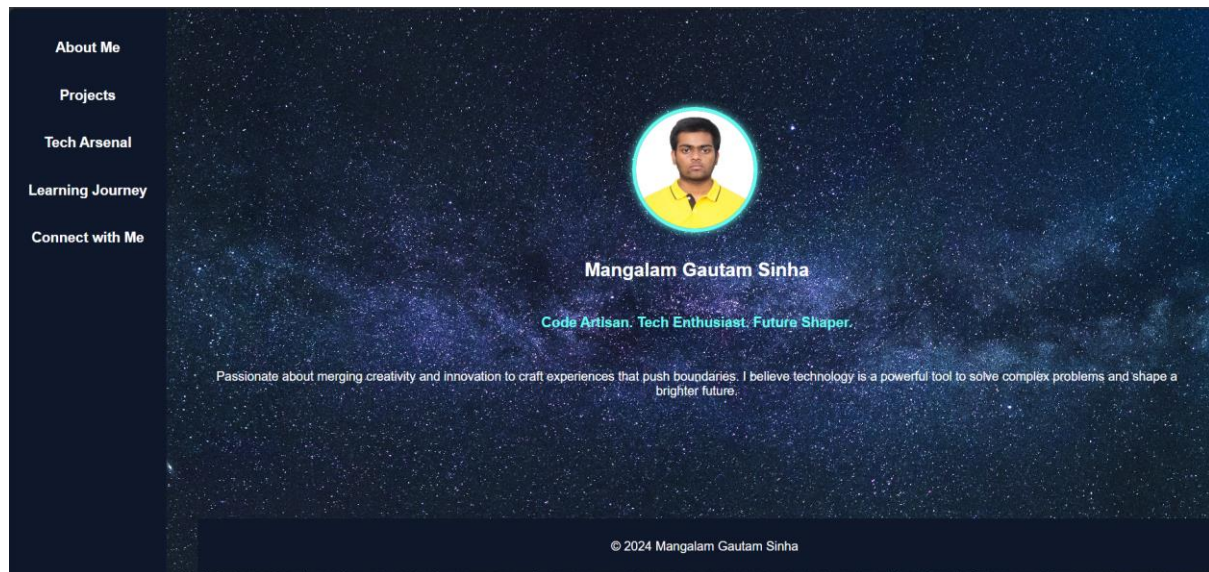
```
<head>
  <link href="https://fonts.googleapis.com/css2?family=Roboto:wght@400;700&display=swap"
rel="stylesheet">

  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Mangalam - Shaping the Future with Tech</title>
  <link rel="stylesheet" href="style.css">
</head>
<body>
  <nav>
    <ul>
      <li><a href="aboutme.html" target="_blank">About Me</a></li>
      <li><a href="projects.html" target="_blank">Projects</a></li>
      <li><a href="techarsenal.html" target="_blank">Tech Arsenal</a></li>
      <li><a href="learningjourney.html" target="_blank">Learning Journey</a></li>
      <li><a href="connectwithme.html" target="_blank">Connect with Me</a></li>
    </ul>
  </nav>

  <div class="content">
    <header id="about">
      <div class="container" style=" padding-bottom: 100px;">
        
        <h1>Mangalam Gautam Sinha</h1>
        <h2>Code Artisan. Tech Enthusiast. Future Shaper.</h2>
        <p>Passionate about merging creativity and innovation to craft experiences that push boundaries. I
believe technology is a powerful tool to solve complex problems and shape a brighter future.</p>
      </div>
    </header>

    <footer>
      <div class="container">
        <p>&copy; 2024 Mangalam Gautam Sinha</p>
      </div>
    </footer>
  </body>
</html>
```

## Screenshot



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*Aboutme.html*

---

## Description

1. `<strong>`: Defines text with strong importance, usually rendered as bold.
2. `<font color="#66fcf1">`: Specifies the color of the text.
3. `<header>`: Represents introductory content typically containing headings and introductory text.
  - `<h1>`, `<h2>`: Defines headings of different levels.
  - `<p>`: Defines a paragraph of text.
4. `<footer>`: Represents the footer section of the document.

## Source Code

```
<!DOCTYPE html>
<html lang="en">
<head>
  <link href="https://fonts.googleapis.com/css2?family=Roboto:wght@400;700&display=swap"
rel="stylesheet">

  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Mangalam - Shaping the Future with Tech</title>
  <link rel="stylesheet" href="style.css">
</head>
<body>
  <nav>
    <ul>
      <li><a href="aboutme.html"><strong><font color="#66fcf1">About Me</font></strong></a></li>
      <li><a href="projects.html">Projects</a></li>
      <li><a href="techarsenal.html">Tech Arsenal</a></li>
      <li><a href="learningjourney.html">Learning Journey</a></li>
      <li><a href="connectwithme.html">Connect with Me</a></li>
    </ul>
  </nav>
```

```

<div class="content">
  <header id="about">
    <div class="container">
       ..... 
      <h1>Mangalam Gautam Sinha</h1>
      <h2>Code Artisan. Tech Enthusiast. Future Shaper.</h2>
      <p>As a Code Artisan and Tech Enthusiast, I'm constantly driven by the boundless possibilities that
technology offers. It's not just about writing lines of code; it's about sculpting digital experiences that
resonate with people on a profound level. I'm deeply passionate about merging creativity and
innovation to craft immersive, transformative experiences that transcend the ordinary. Every project,
every line of code is an opportunity to push boundaries, to challenge the status quo, and to redefine
what's possible.

      In today's fast-paced world, where change is the only constant, technology serves as a beacon of hope
and progress. It's a powerful tool in our arsenal, empowering us to tackle some of the most pressing
challenges facing humanity. From solving complex problems to creating meaningful connections,
technology has the potential to shape a brighter, more inclusive future for all. I firmly believe that by
harnessing the full potential of technology, we can pave the way for a world where innovation knows no
bounds, and where every individual has the opportunity to thrive and succeed.</p>
    </div>
  </header>

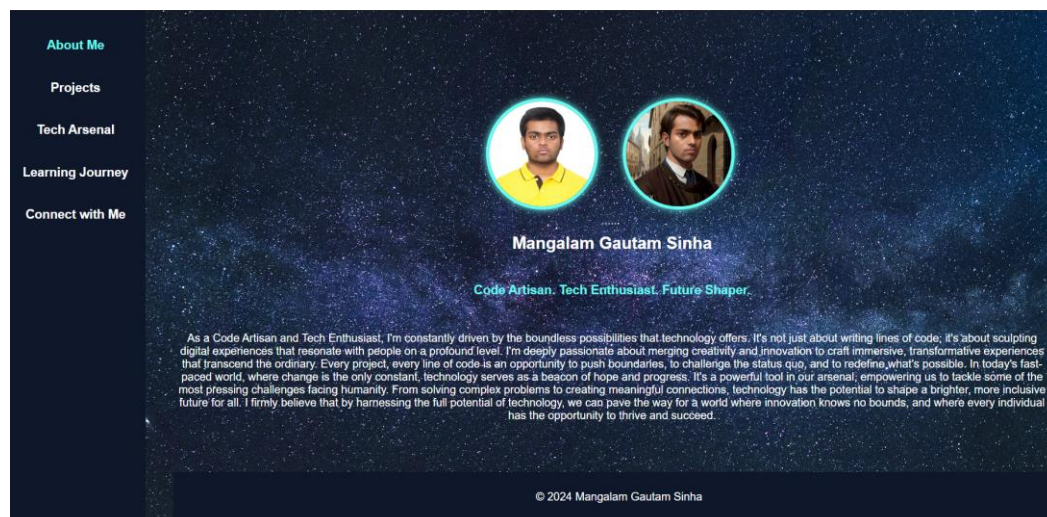
```

```

<footer>
  <div class="container">
    <p>&copy; 2024 Mangalam Gautam Sinha</p>
  </div>
</footer>
</body>
</html>

```

## Screenshot



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## Projects

---

### Description

1. `<section id="projects">`: Defines a section of content within the document with the ID attribute set to "projects".

- `<h1>`: Defines a top-level heading.
- `<p>`: Defines a paragraph of text.
- `<ul>`: Represents an unordered list.
- `<li>`: Represents a list item within an unordered list.
- `<h3>`: Defines a tertiary heading.

2. Inline CSS within `<div class="container" style="padding-left: 300px;">`: Sets the padding-left style for the container div.

### Source Code

```
<!DOCTYPE html>
<html lang="en">
<head>
  <link href="https://fonts.googleapis.com/css2?family=Roboto:wght@400;700&display=swap"
rel="stylesheet">

  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Mangalam - Shaping the Future with Tech</title>
  <link rel="stylesheet" href="style.css">
</head>
<body>
  <nav>
    <ul>
      <li><a href="aboutme.html">About Me</a></li>
      <li><a href="projects.html"><strong><font color="#66fcf1">Projects</font></strong></a></li>
      <li><a href="techarsenal.html">Tech Arsenal</a></li>
      <li><a href="learningjourney.html">Learning Journey</a></li>
      <li><a href="connectwithme.html">Connect with Me</a></li>
    </ul>
  </nav>

  <section id="projects">
    <div class="container" style="padding-left: 300px;">
      <h1>Projects: Bringing Ideas to Life</h1><p>Here are a few projects that showcase my blend of
technical expertise and problem-solving skills:</p>
      <ul><li><h3>E-commerce Website (HTML, CSS, JavaScript)</h3><p>Crafted a seamless online
shopping experience with user-friendly navigation, intuitive product pages, and secure checkout
flow.</p>
```

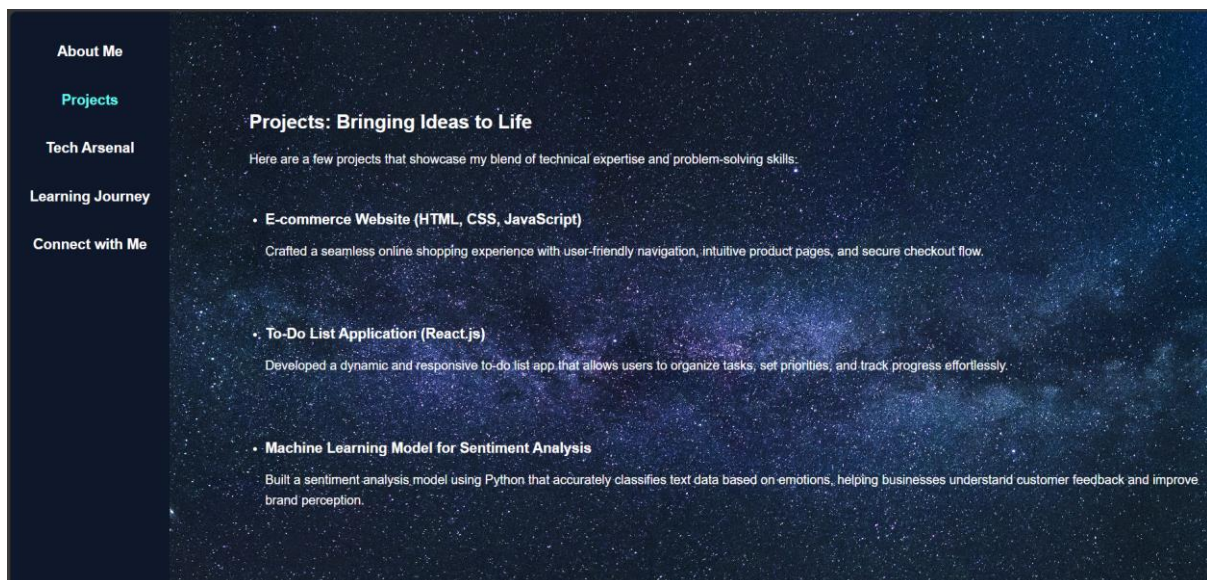


```

    </li>
    <li><h3>To-Do List Application (React.js)</h3><p>Developed a dynamic and responsive to-do list
app that allows users to organize tasks, set priorities, and track progress effortlessly.</p>
    </li>
    <li><h3>Machine Learning Model for Sentiment Analysis</h3><p>Built a sentiment analysis model
using Python that accurately classifies text data based on emotions, helping businesses understand
customer feedback and improve brand perception.</p>
    </li>
</ul>
</div>
</section>
<footer>
    <div class="container">
        <p>&copy; 2024 Mangalam Gautam Sinha</p>
    </div>
</footer>
</body>
</html>

```

## Screenshot




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*Techarsenal.html*

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## Description

`<section id="skills">`: Defines a section of content within the document with the ID attribute set to "skills".

- `

# `: Defines a top-level heading.
- `
`: Represents an unordered list.
- `- `: Represents a list item within an unordered list.

## Source Code

```

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

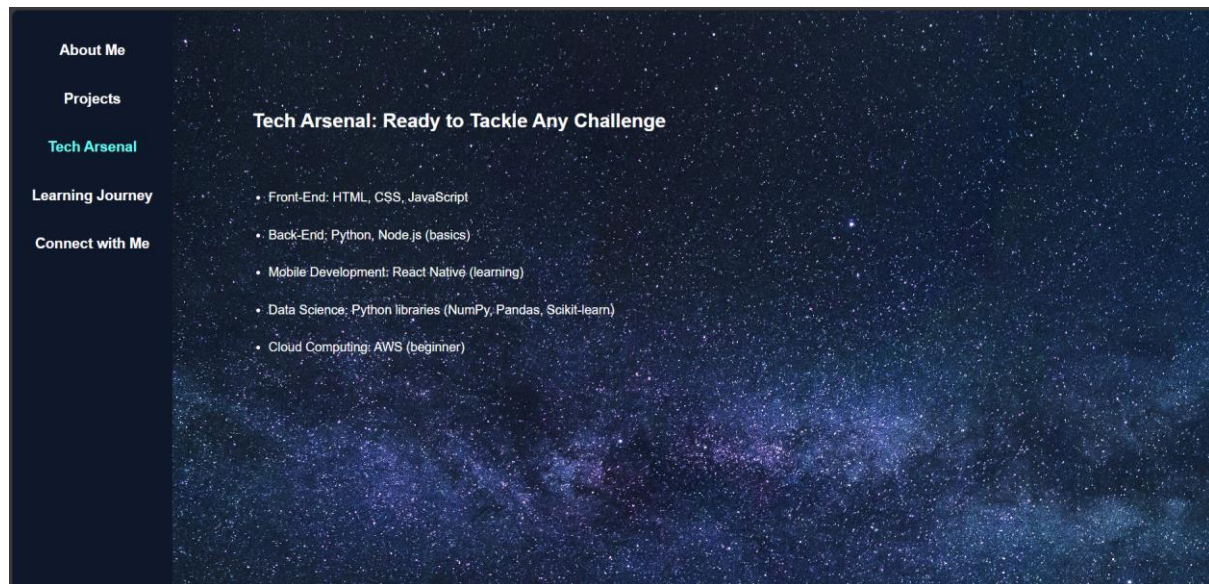
```

```
<head>
  <link href="https://fonts.googleapis.com/css2?family=Roboto:wght@400;700&display=swap"
rel="stylesheet">

  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Mangalam - Shaping the Future with Tech</title>
  <link rel="stylesheet" href="style.css">
</head>
<body>
  <nav>
    <ul>
      <li><a href="aboutme.html">About Me</a></li>
      <li><a href="projects.html">Projects</a></li>
      <li><a href="techarsenal.html"><strong><font color="#66fcf1">Tech Arsenal</font></strong></li>
      <li><a href="learningjourney.html">Learning Journey</a></li>
      <li><a href="connectwithme.html">Connect with Me</a></li>
    </ul>
  </nav>

  <section id="skills">
    <div class="container" style="padding-left: 300px; padding-bottom: 500px;">
      <h1>Tech Arsenal: Ready to Tackle Any Challenge</h1>
      <ul>
        <li>Front-End: HTML, CSS, JavaScript</li>
        <li>Back-End: Python, Node.js (basics)</li>
        <li>Mobile Development: React Native (learning)</li>
        <li>Data Science: Python libraries (NumPy, Pandas, Scikit-learn)</li>
        <li>Cloud Computing: AWS (beginner)</li>
      </ul>
    </div>
  </section>
  <footer>
    <div class="container" >
      <p>&copy; 2024 Mangalam Gautam Sinha</p>
    </div>
  </footer>
</body>
</html>
```

## Screenshot



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*[Learningjourney.html](#)*

---

## Description

`<section id="education">`: Defines a section of content within the document with the ID attribute set to "education".

- `

## `: Defines a second-level heading.
- `

`: Defines a paragraph of text.
- `
- `|`: Represents a table row.
|  |
- ` `: Represents a table header cell. |
- ` `: Represents a table data cell. |
- `<sup>`: Represents superscript text.</sup>

## Source Code

```
<!DOCTYPE html>
<html lang="en">
<head>
  <link href="https://fonts.googleapis.com/css2?family=Roboto:wght@400;700&display=swap"
rel="stylesheet">

  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Mangalam - Shaping the Future with Tech</title>
  <link rel="stylesheet" href="style.css">
</head>
```



```

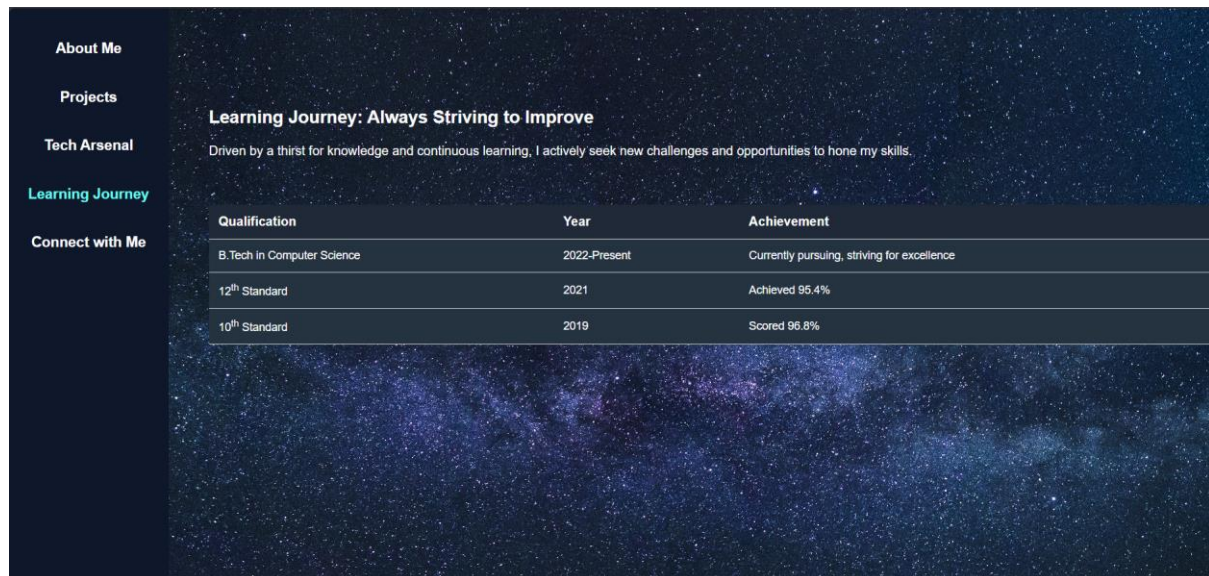
<body>
<nav>
<ul>
<li><a href=aboutme.html">About Me</a></li>
<li><a href="projects.html">Projects</a></li>
<li><a href="techarsenal.html">Tech Arsenal</a></li>
<li><a href="learningjourney.html"><strong><font color="#66fcf1">Learning
Journey</font></strong></li>
<li><a href="connectwithme.html">Connect with Me</a></li>
</ul>
</nav>

<section id="education">
<div class="container" style="padding-left: 250px; padding-bottom: 400px;">
<h2>Learning Journey: Always Striving to Improve</h2> <p>Driven by a thirst for knowledge and
continuous learning, I actively seek new challenges and opportunities to hone my skills.</p>
<table>
<tr>
<th>Qualification</th>
<th>Year</th>
<th>Achievement</th>
</tr>
<tr>
<td>B.Tech in Computer Science</td>
<td>2022-Present</td>
<td>Currently pursuing, striving for excellence</td>
</tr>
<tr>
<td>12<sup>th</sup> Standard</td>
<td>2021</td>
<td>Achieved 95.4%</td>
</tr>
<tr>
<td>10<sup>th</sup> Standard</td>
<td>2019</td>
<td>Scored 96.8%</td>
</tr>
</table>
</div>
</section>

<footer>
<div class="container">
<p>&copy; 2024 Mangalam Gautam Sinha</p>
</div>
</footer>
</body>
</html>

```

## Screenshot



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*[Connectwithme.html](#)*

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## Description

`<section id="contact">`: Defines a section of content within the document with the ID attribute set to "contact".

- `

# `: Defines a top-level heading.
- `

`: Defines a paragraph of text.
- `[- `\[- `!\\[description\\]\\(url\\)\]\(url\)](mailto:email@example.com)

## Source Code

```
<!DOCTYPE html>
<html lang="en">
<head>
  <link href="https://fonts.googleapis.com/css2?family=Roboto:wght@400;700&display=swap"
rel="stylesheet">

  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Mangalam - Shaping the Future with Tech</title>
  <link rel="stylesheet" href="style.css">
</head>
<body>
  <nav>
    <ul>
      <li><a href="aboutme.html">About Me</a></li>
```

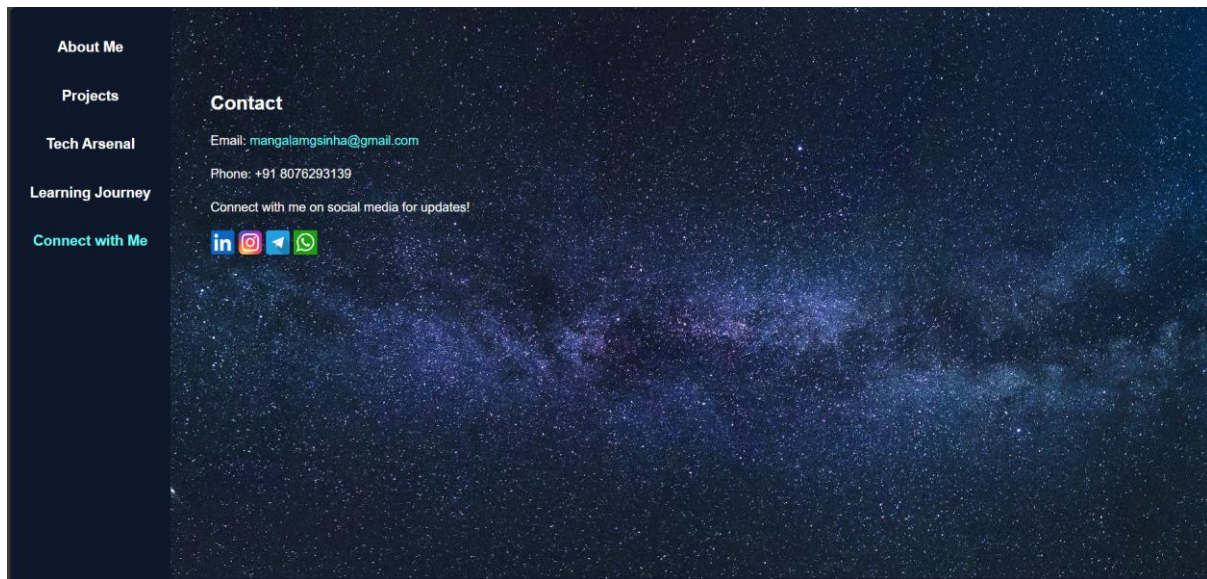
```
<li><a href="projects.html">Projects</a></li>
<li><a href="techarsenal.html">Tech Arsenal</a></li>
<li><a href="learningjourney.html">Learning Journey</a></li>
<li><a href="connectwithme.html"><strong><font color="#66fcf1">Connect with
Me</font></strong></a></li>
</ul>
</nav>
```

```
<section id="contact">
  <div class="container" style="padding-left: 250px; padding-bottom: 400px;">

    <h1>Contact</h1>
    <p>Email: <a href="mailto:email@example.com">mangalamgsinha@gmail.com</a></p>
    <p>Phone: +91 8076293139</p>
    <p>Connect with me on social media for updates!</p>
    <a href="https://www.linkedin.com/in/mangalamgautamsinha">  </a>
      <a href="https://www.instagram.com/">  </a>
      <a href="https://t.me/MangalamGautam/Sinha">  </a>
      <a href="https://wa.me/+918076293139"> <img
src=https://www.freeiconspng.com/uploads/whatsapp-icon-0.png alt="WhatsApp"
height="30"width="30"> </a>
    </div>
  </section>
</div>

<footer>
  <div class="container">
    <p>&copy; 2024 Mangalam Gautam Sinha</p>
  </div>
</footer>
</body>
</html>
```

## Screenshot



---

*Style.css*

---

## Description

1. ``background-image``: Sets the background image of an element.
2. ``background-size``: Specifies the size of the background image.
3. ``background-position``: Sets the initial position of the background image.
4. ``background-repeat``: Sets how the background image should be repeated.
5. ``font-family``: Specifies the font family for text.
6. ``margin``: Sets the margin space on all sides of an element.
7. ``padding``: Sets the padding space on all sides of an element.
8. ``background-color``: Sets the background color of an element.
9. ``color``: Sets the color of text.
10. ``position``: Sets the positioning method of an element.
11. ``overflow-y``: Specifies whether to clip the content, add a scrollbar, or display overflow content of an element.
12. ``transition``: Specifies the transition effects for an element.
13. ``text-align``: Specifies the horizontal alignment of text.
14. ``width``: Sets the width of an element.
15. ``border-radius``: Specifies the radius of the element's corners.
16. ``box-shadow``: Adds shadow effects to an element's box.
17. ``line-height``: Sets the height of a line of text.
18. ``list-style-type``: Specifies the type of list item marker.

- 19. ``display``: Specifies the display behavior of an element.
- 20. ``text-decoration``: Specifies the decoration added to text.
- 21. ``font-weight``: Specifies the weight of the font.
- 22. ``font-size``: Specifies the font size.
- 23. ``margin-top``, ``margin-bottom``: Sets the top and bottom margins of an element.
- 24. ``margin-left``: Sets the left margin of an element.
- 25. ``padding-left``: Sets the left padding of an element.
- 26. ``border-collapse``: Specifies whether table borders should be collapsed into a single border or separated.
- 27. ``text-align``: Specifies the horizontal alignment of text within a table cell.
- 28. ``border-bottom``: Sets the bottom border of an element.
- 29. ``:hover``: Specifies the style for an element when the user mouses over it.

## Source Code

```
body {  
  
    background-image: url('background.jpg');  
    background-size: cover;  
    background-position: center;  
    background-repeat: no-repeat;  
  
    font-family: sans-serif;  
    margin: 0;  
    padding: 0;  
    background-color: #1f2937;  
    color: #fff;  
}  
  
nav {  
    background-color: #0f172a;  
    text-align: center;  
    width: 200px;  
    position: fixed;  
    top: 0;  
    bottom: 0;  
    left: 0;  
    overflow-y: auto;  
    transition: width 0.3s ease-in-out;  
}  
  
nav ul {  
    list-style-type: none;  
    padding: 0;  
    margin: 0;  
}  
  
nav ul li {
```



```

    margin-bottom: 15px;
}

nav ul li a {
    display: block;
    text-decoration: none;
    color: #fff;
    font-weight: bold;
    font-size: 18px;
    line-height: 1.5;
    transition: color 0.2s ease-in-out;
}

nav ul li a:hover {
    color: #66fcf1;
}

.content {
    margin-left: 220px;
    padding: 20px;
}

header {
    padding-top: 50px;
    text-align: center;
}

.profile-photo {
    width: 150px;
    height: 150px;
    border-radius: 50%;
    margin-bottom: 20px;
    border: 5px solid #66fcf1;
    box-shadow: 0 0 10px #66fcf1;
}

header h1 {
    margin: 10px 0;
    font-weight: bold;
    font-size: 24px;
}

header h2 {
    font-size: 18px;
    color: #66fcf1;
}

section {
    margin-top: 50px;
}

section h2 {
    font-size: 22px;
    margin-bottom: 15px;
}

```

```
section p {
  line-height: 1.6;
}
```

```
section ul {
  list-style-type: disc;
  margin-left: 0;
  padding-left: 20px;
}
```

```
section li {
  margin-bottom: 10px;
}
```

```
section h3 {
  font-size: 18px;
  margin-bottom: 5px;
}
```

```
footer {
  background-color: #0f172a;
  color: #fff;
  text-align: center;
  padding: 10px;
  width: 100%;
  bottom: 0;
}
```

```
table {
  width: 100%;
  border-collapse: collapse;
  margin-top: 20px;
}
```

```
th,
td {
  padding: 10px;
  text-align: left;
  border-bottom: 1px solid #ddd;
}
```

```
th {
  background-color: #1f2937;
  color: #fff;
}
```

```
a {
  color: #66fcf1;
  text-decoration: none;
}
```

```
a:hover {
  color: #0f172a;
}
```

```
table {
  width: 100%;
  border-collapse: collapse;
  margin-top: 20px;
}

th,
td {
  padding: 12px;
  text-align: left;
  border-bottom: 1px solid #ddd;
}

th {
  background-color: #1f2937;
  color: #fff;
  font-size: 16px;
  font-weight: bold;
}

td {
  font-size: 14px;
}

tr:hover {
  background-color: #0f172a;
}

tr {
  background-color: #253341;
}
```

## Steps for Web Hosting using GIT

Hosting a website on GitHub involves using GitHub Pages, a feature that allows you to publish web content directly from your GitHub repository. Here are the steps to host a website on GitHub:

## 1. Create a GitHub Repository:

If you don't already have a GitHub account, sign up for one. Then, create a new repository for your website.

## 2. Set Up Your Repository:

Make sure your website files (HTML, CSS, JavaScript, etc.) are in the root of the repository or within a designated folder.

## 3. Create a Branch:

GitHub Pages uses the `gh-pages` branch to build and publish your website. Create a new branch named `gh-pages` in your repository.

bashCopy code

## 4. Commit and Push:

Commit your changes and push the `gh-pages` branch to GitHub.

bashCopy code

"Initial commit for GitHub Pages"

## 5. Enable GitHub Pages:

1. Go to your repository on GitHub.
2. Click on the "Settings" tab.
3. Scroll down to the "GitHub Pages" section.
4. Under "Source," select the `gh-pages` branch.

Your site should be published at a URL similar to `https://username.github.io/repository`.

## 6. Custom Domain (Optional):

If you have a custom domain, you can set it up in the "GitHub Pages" section of your repository settings. Follow the instructions provided by GitHub to configure your custom domain.

## 7. Verify Your Site:

After a few minutes, your website should be accessible at the GitHub Pages URL. Verify that everything looks as expected.

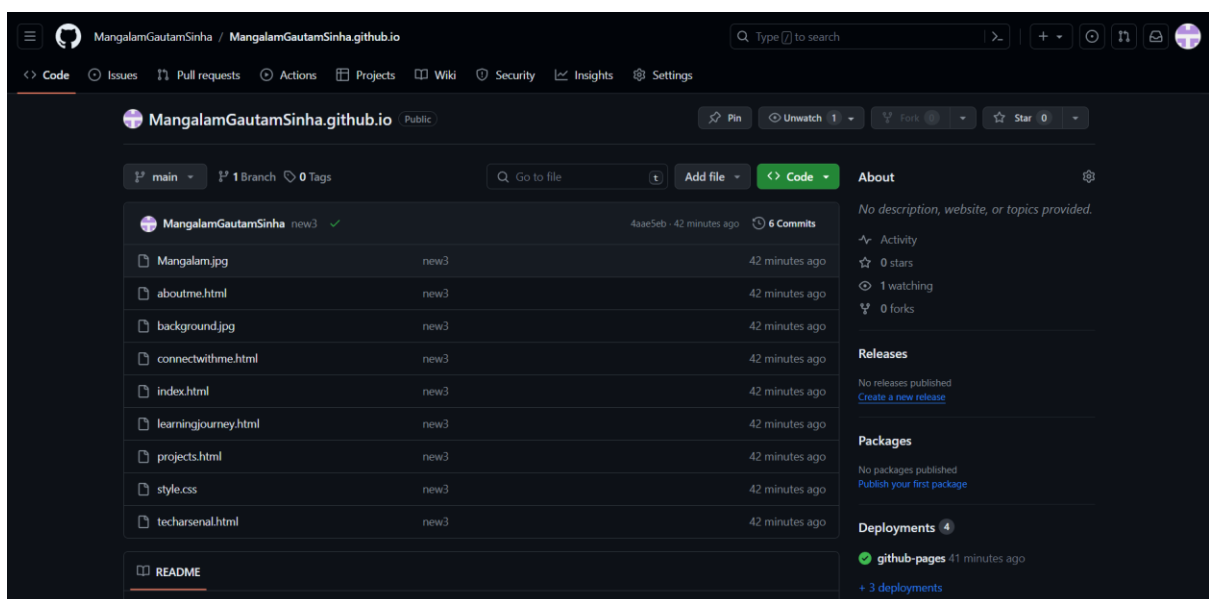
## Additional Tips:

- Make sure your HTML file is named `index.html` if you want it to be the default landing page.
- GitHub Pages supports Jekyll, a static site generator. If your site uses Jekyll, GitHub Pages will automatically build it. If not, make sure your files are ready to be served statically.

Remember that GitHub Pages is suitable for hosting static websites. If your website requires server-side processing, consider other hosting options.

That's it! Your website is now hosted on GitHub Pages. Keep in mind that changes pushed to the `gh-pages` branch will automatically update your hosted site.

## My GitHub Repository



Link: <https://github.com/MangalamGautamSinha/MangalamGautamSinha.github.io.git>