

<activity04 />

During Class

Create a web page with personal information and portfolio of projects.

Sarfaraz Ahmed Mohammed - x

Gemini

←

→

↻

🔍

🌟

🔖

🔍

📄

⋮

sarfarazmohammed880.github.io/personal/

🗑️

★ Bookmarks

📄 Welcome To TRANS...

🌐 Google


🌐 Google Accounts

👤 Author Information...

»

📁 All Bookmarks

About MeProjectsContact



Sarfaraz Ahmed Mohammed, Ph.D.


Welcome to SE/COMS 3190!

Course Description: Overview of user interface design. Evaluation and testing of user interfaces. Review of principles of object orientation, object-oriented design and analysis using UML in the context of user interface design. Design of windows, menus, and commands. Developing Web and Windows-based user- interfaces. Event-driven programming. Introduction to Frameworks and APIs for the construction of user interfaces. Some key areas we want to focus on and investigate are: User Interfaces: Design principles for user interfaces, design issues, user interface construction (UI), user experiences (UX), and testing of user interfaces. Basic concepts: Process vs. thread, client/server applications. Event-driven programming: Introduction to Human-Computer Interaction (HCI), web user interfaces, web programming (JavaScript, Node.js, client/server programming), event-driven architecture, event-driven programming in JavaScript, and Node.js, windows-based user- interfaces, APIs and frameworks. Object-oriented analysis using UML: System modeling, behavioral and structural modeling. UML diagrams, interaction diagrams. Introduction to Test-Driven Development (TDD): Unit testing (JavaScript) and UI testing.

Projects

CSS

HTML



Project 1

The first project focuses on designing a Web page using HTML and CSS. In terms of the layout, a navigation bar is created at the top displaying a list of menu items. We include some text describing each section of the page. Additionally, we included two images to enhance the visual appeal of the page.

Contact Me

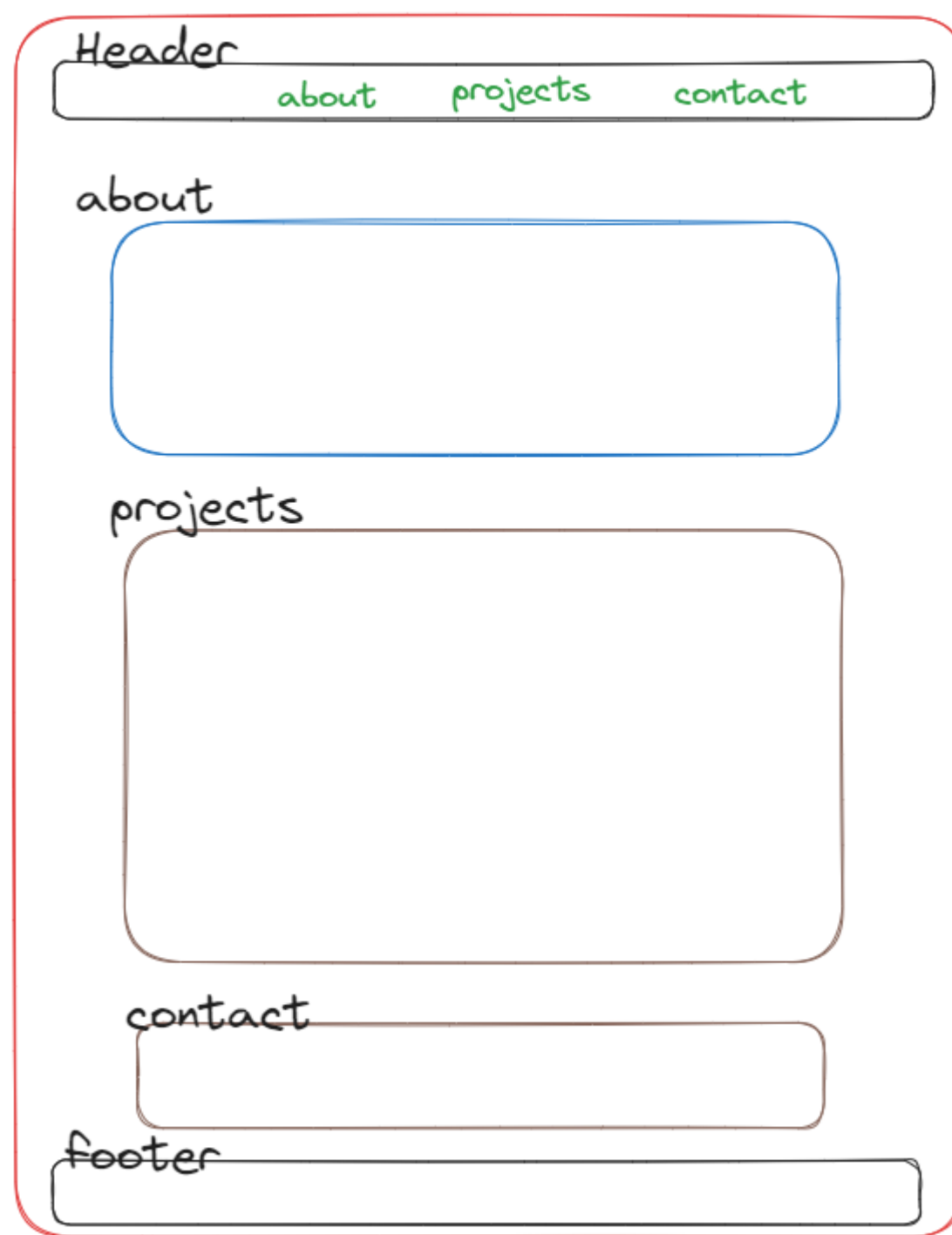
You can reach me at sarfaraz@astate.edu

© 2026 Sarfaraz Ahmed Mohammed

Sarfaraz Ahmed Mohammed, Ph.D.
Ali Jannesari, Ph.D.

Go to <https://excalidraw.com/>
and draw the next figure ...

Made in :
<https://excalidraw.com/>



Create one initial HTML and save it as **index.html**

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
</head>
<body>

</body>
</html>
```

<body>

```
<header>
```

```
</header>
```

```
<section id="about">
```

```
</section>
```

```
<section id="projects">
```

```
</section>
```

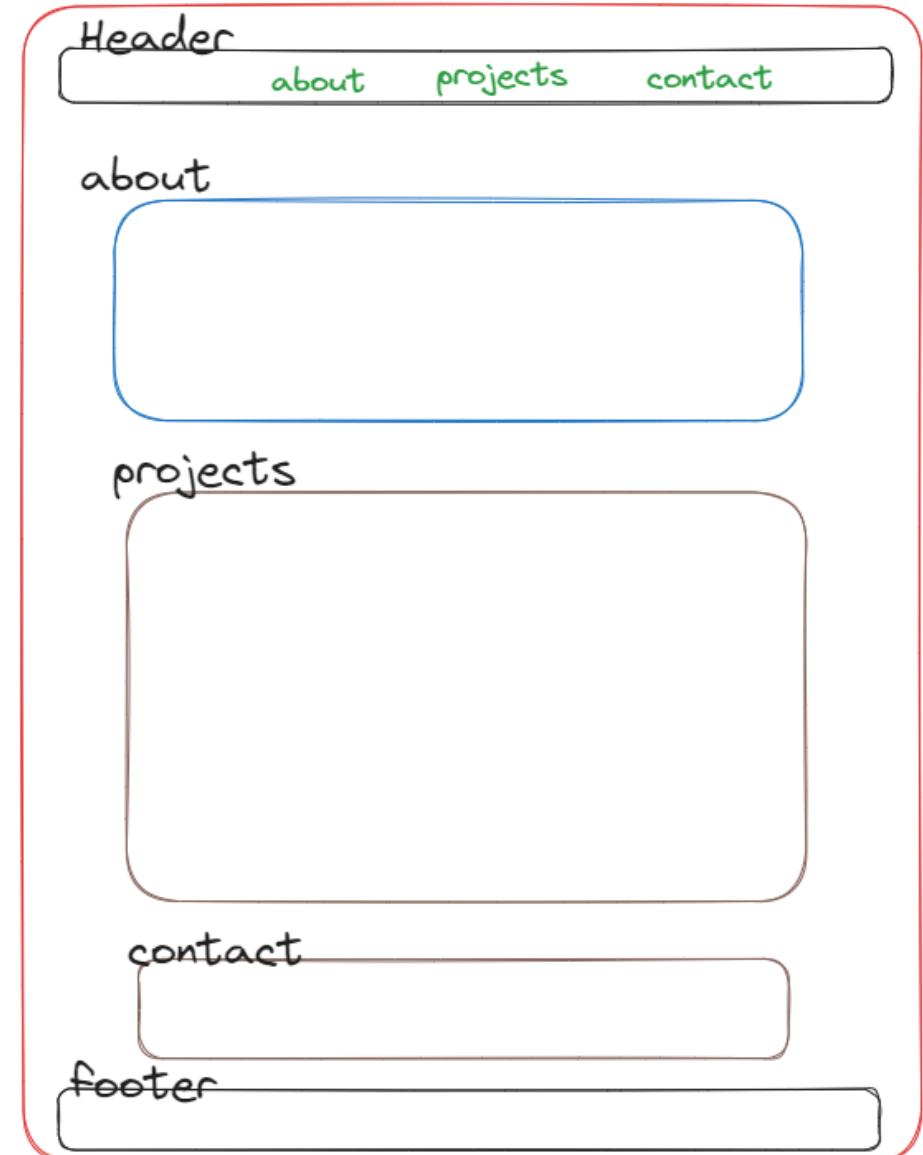
```
<section id="contact">
```

```
</section>
```

```
<footer>
```

```
</footer>
```

</body>



Add the **Navigation bar** :

```
<header>
  <nav>
    <ul>
      <li><a href="#about">About Me</a></li>
      <li><a href="#projects">Projects</a></li>
      <li><a href="#contact">Contact</a></li>
    </ul>
  </nav>
</header>
```

<body>

<header>

</header>

<section id="about">

</section>

<section id="projects">

</section>

<section id="contact">

</section>

<footer>

</footer>

</body>

This is a menu using
Navitation bar

Let's change the aesthetics of the **Navigation bar**

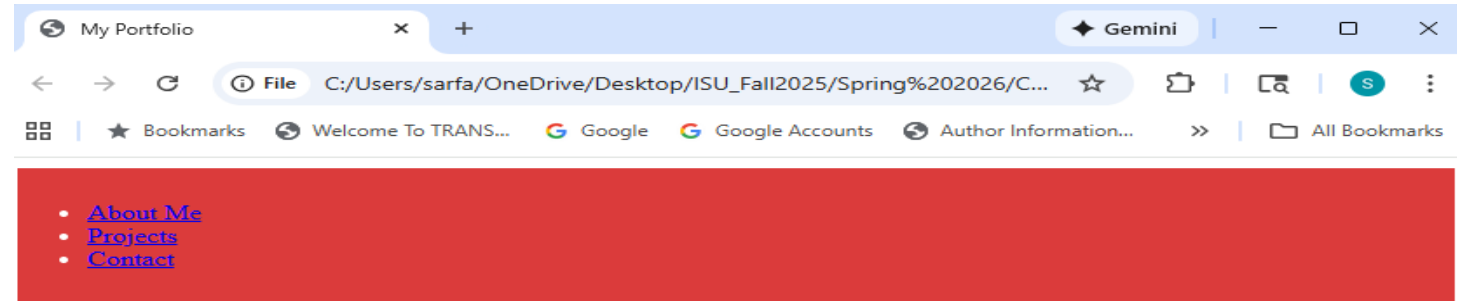
Create one **CSS style sheet** file and save it as **style.css**

```
header {  
    background-color: #333;  
    color: #fff;  
    padding: 10px 0;  
}
```

Add the link to the **style.css** file in the **index.html** file

```
<link rel="stylesheet" href="./style.css">
```

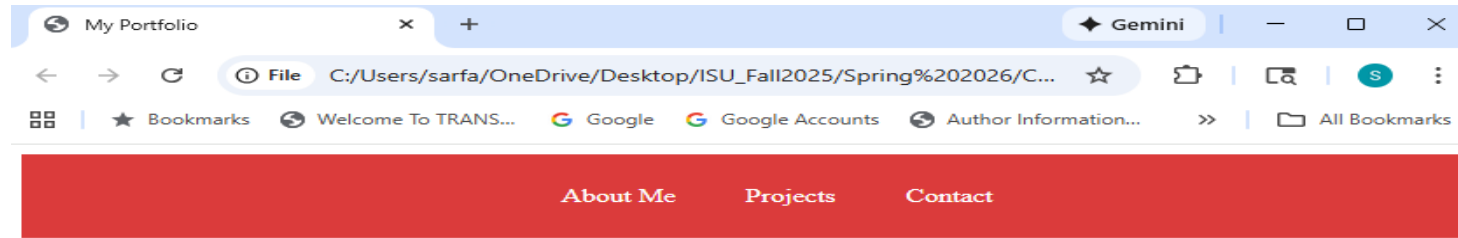
View `index.html`



Improve the Navigation bar in `style.css` file :

```
nav ul {  
    list-style: none;  
    display: flex;  
    justify-content: center;  
}  
  
nav li {  
    margin: 0 20px;  
}  
  
nav a {  
    text-decoration: none;  
    color: #fff;  
}
```

View `index.html`



Add information to the three sections:

```
<section id="about">
```

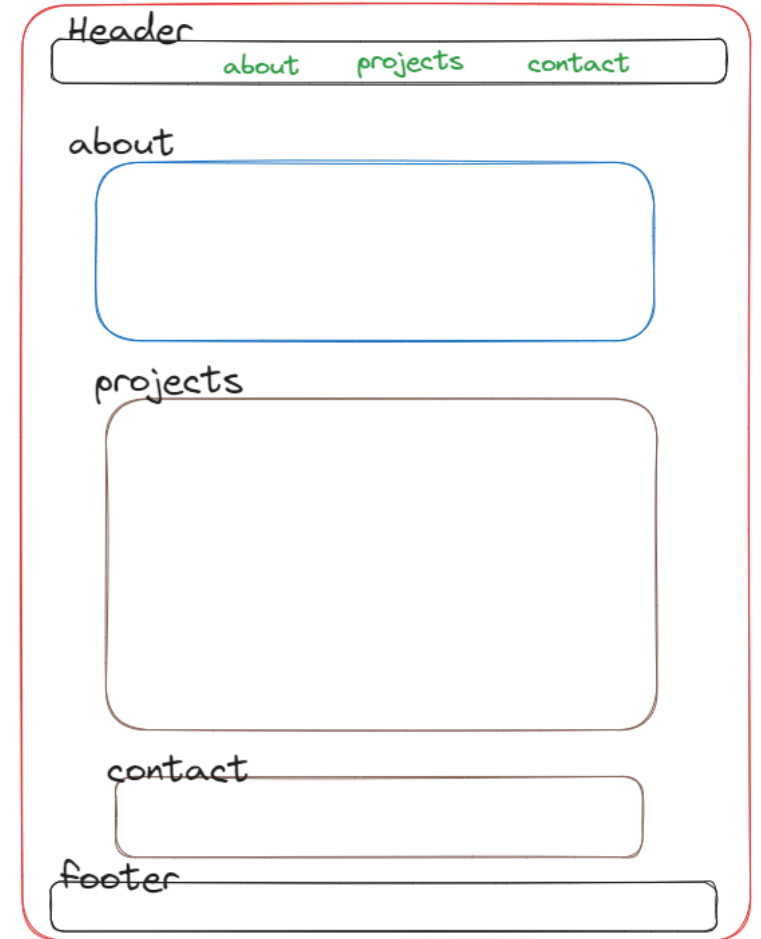
```
</section>
```

```
<section id="projects">
```

```
</section>
```

```
<section id="contact">
```

```
</section>
```



Create a subdirectory with the name `images`:

`index.html`

`style.css`



Add one image of yourself
profile.jpg

And one image for a portfolio
project1

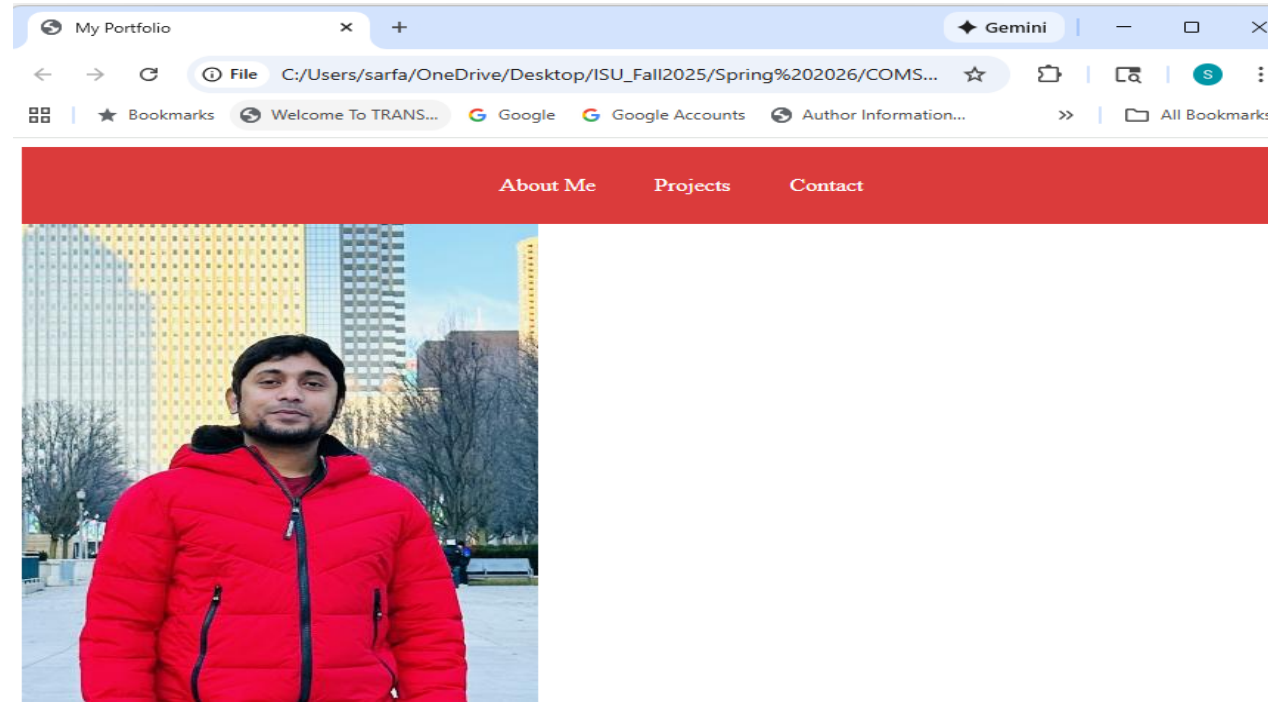
<section id="about">

Add the image **profile.jpg**
and a brief description of yourself
using **different tags:**

```
<div class="container">  
  <img src= "./profile.jpg" alt="Profile Photo">  
  <h1> Sarfaraz Ahmed Mohammed, Ph.D. </h1>  
  <p> Welcome to SE/COMS 3190! </p>  
  <p> Course Description: Overview of user interface design.  
Evaluation and testing of user interfaces. Review of principles of  
object orientation, object-oriented design and analysis using UML in  
the context of user interface design. Design of windows, menus, and  
commands. Developing Web and Windows-based user- interfaces. </p>  
</div>
```

</section>

View index.html



Sarfaraz Ahmed Mohammed, Ph.D.

Welcome to SE/COMS 3190!

Course Description: Overview of user interface design. Evaluation and testing of user interfaces. Review of principles of object orientation, object-oriented design and analysis using UML in the context of user interface design. Design of windows, menus, and commands. Developing Web and Windows-based user- interfaces. Event-driven programming. Introduction to Frameworks and APIs for the construction of user interfaces. Some key areas we want to focus on and investigate are: User Interfaces: Design principles for user interfaces, design issues, user interface construction (UI), user experiences (UX), and testing of user interfaces. Basic concepts: Process vs. thread, client/server applications. Event-driven programming: Introduction to Human-Computer Interaction (HCI), web user interfaces, web programming (JavaScript, Node.js, client/server programming), event-driven architecture, event-driven programming in JavaScript, and Node.js, windows-based user- interfaces, APIs and frameworks. Object-oriented analysis using UML: System modeling, behavioral and structural modeling, UML diagrams, interaction diagrams. Introduction to Test-Driven Development (TDD): Unit testing (JavaScript) and UI testing.

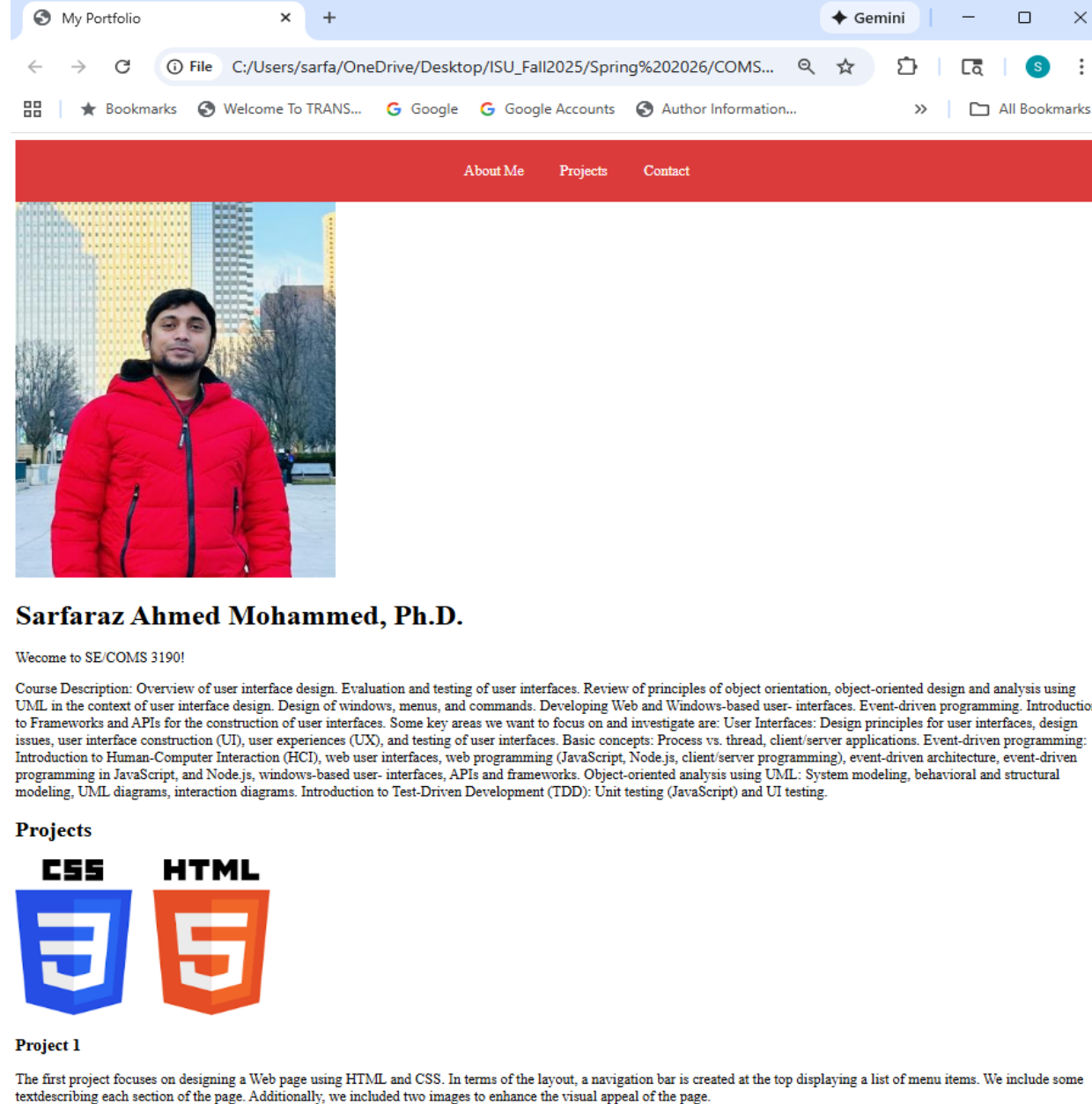
<section id="projects">

Add the image **project1.jpg**
and a brief description of a project
using **different tags:**

```
<div class="container">
  <h2>Projects</h2>
  <div class="project">
    <img src= "./project1.png" alt="Project 1">
    <h3>Project 1</h3>
    <p>The first project focuses on designing a Web page using HTML and
      CSS. In terms of the layout, a navigation bar is created at the
      top displaying a list of menu items. We include some text
      describing each section of the page. Additionally, we included
      two images to enhance the visual appeal of the page.</p>
  </div>
</div>
</section>
```

View

index.html



`<section id="contact">`

```
<div class="container">  
  <h2>Contact Me</h2>  
  <p>You can reach me at sarfaraz@iastate.edu</p>  
</div>
```

`</section>`

`<body>`

`<header>`

`</header>`

`<section id="about">`

`</section>`

`<section id="projects">`

`</section>`

`<section id="contact">`

`</section>`

`<footer>`

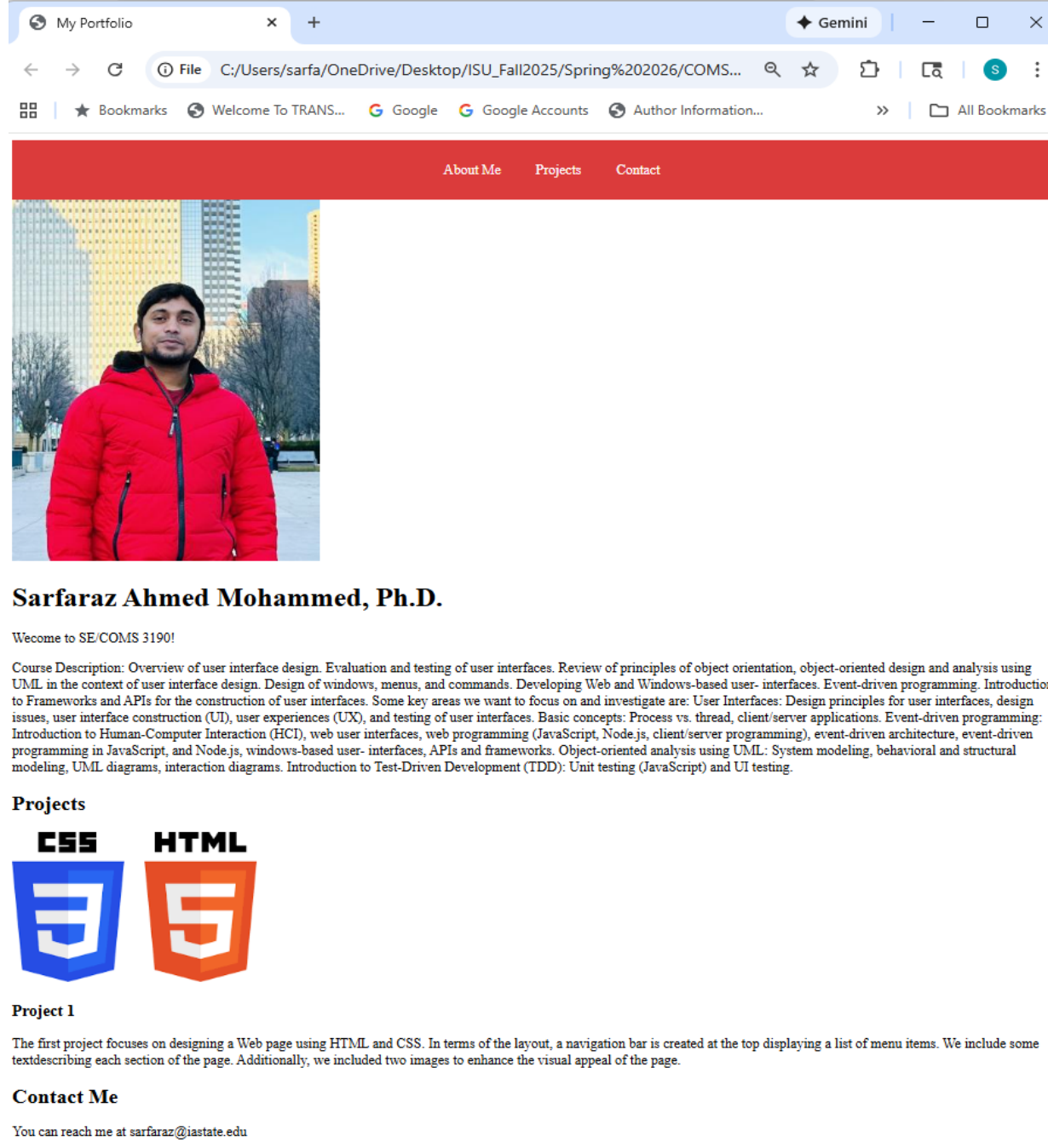
`</footer>`

`</body>`



View

index.html



Let's add a footer :

```
<footer>
```

```
<p>&copy; 2026 Sarfaraz Ahmed  
Mohammed </p>
```

```
</footer>
```

```
<body>
```

```
<header>
```

```
</header>
```

```
<section id="about">
```

```
</section>
```

```
<section id="projects">
```

```
</section>
```

```
<section id="contact">
```

```
</section>
```

```
<footer>
```

```
</footer>
```

```
</body>
```



We have finished with the content in `<body>`
... `</body>` in the HTML file.

Now we will finish the aesthetic part using
CSS.

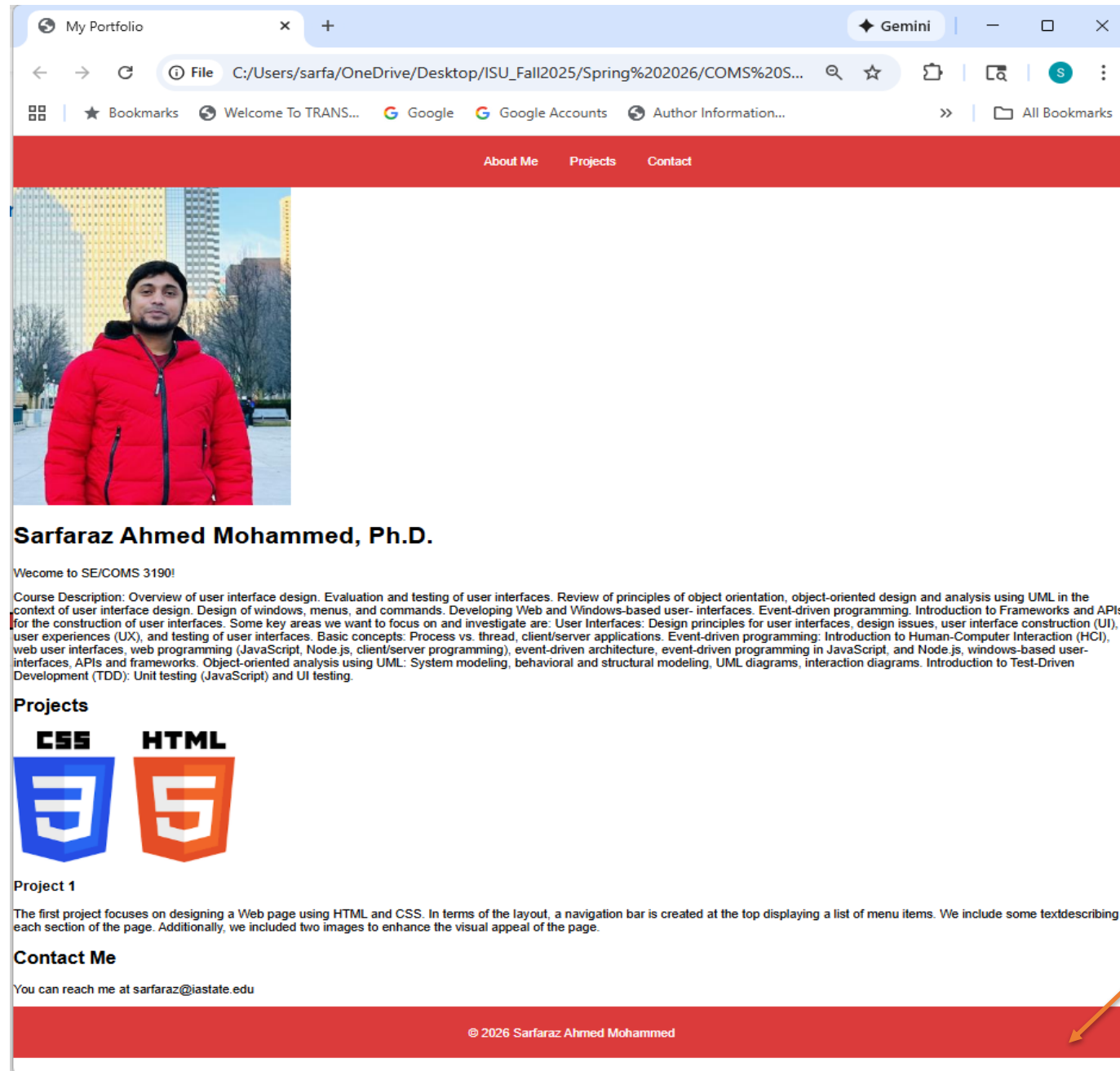
Add the next code to the `style.css` file :

```
body {  
    font-family: Arial, sans-serif;  
    margin: 0;  
    padding: 0;  
}  
img {  
    max-width: 100%;  
}  
footer {  
    text-align: center;  
    padding: 10px;  
    background-color: #333;  
    color: #fff;  
}
```

CSS in
External
File

View

index.html



footer

Add the next code to the `<style> ... </style>` section in `<head>` :

```
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <link rel="stylesheet" href="style.css">
  <style>
    .container {
      max-width: 960px;
      margin: 0 auto;
      padding: 40px;
    }

    .project {
      margin-bottom: 20px;
      border: 1px solid #ccc;
      padding: 20px;
    }
  </style>
  <title>Sarfaraz Ahmed Mohammed- Portfolio</title>
</head>
```

CSS in
Internal in
section
`<style>`

```
<section id="projects">
```

```
<div class="container">
  <h2>Projects</h2>
  <div class="project">
    <img src= ". /project1.png" alt="Project 1">
    <h3>Project 1</h3>
    <p>The first project is related to develop a single Web page using
    only two technologies: HTML and CSS. The project consists in
    creating a single web page with a menu at the top know as
    Navigation Bar. We have to include text describing ourself and
    text describing the project. Additionally, we need to include
    two images: one image is of ourself and second image is anything
    related to the project itself.</p>
  </div>
  Add more project divs here
</div>
</section>
```

Add the image
project1.jpg and a brief
description of a project using
different tags:

Under the image `profile.jpg` add CSS style to text :

css Inline

```
<p>Web Developer</p>
```



```
<p style="font-family: 'Courier New', Courier, monospace; color: brown">Welcome to SE/COMS 3190!</p>
```



Sarfaraz Ahmed Mohammed, Ph.D.

Welcome to SE/COMS 3190!

Course Description: Overview of user interface design. Evaluation and testing of user interface orientation, object-oriented design and analysis using UML in the context of user interface commands. Developing Web and Windows-based user- interfaces. Event-driven program for the construction of user interfaces. Some key areas we want to focus on and investigate user interfaces design issues user interface construction (UI) user experiences (UX) an

Review the next:

In previous class we add CSS style by:

- Tag (e.g., div, h1, h3)
- class (e.g., .container, .years and using class="container", class="years")
- id (e.g., #author and using id="author")

In this class we added CSS style in:

- ☐ External file and link the file in html `<link rel="stylesheet" href="style.css">`
- ☐ Internal in section `<style> .. </style>`
- ☐ Inline (this is when we include proper styles inside the HTML)



Wait to finish the second part : Web Pages in Github.

So far, we have the next files :

- `index.html`
- `style.css`
- Compress in ZIP file : `images.zip`
`profile.jpg, project1.jpg`