Name: I Made Ryan Darmajaya

NRP: 5025241158

1. **The Design Concepts and Structure of the Website**

    My website was developed using HTML, CSS, and the Bootstrap framework, with additional support from a CDN link to import icons from the internet. The website consists of five main webpages: Home (Index), Profile, Hometown, Food, and Tourist.

    Each webpage was designed to be simple and easy to navigate. The structure mainly includes a navigation bar (navbar) at the top and a main section that displays the content. The navbar, which appears consistently on every page, allows users to move seamlessly between different sections of the website. The main section of each page provides specific information depending on its purpose.

    The use of Bootstrap components greatly simplified the development process, as it provides pre-defined classes for responsive design, grid layouts, and styled elements. This helped me create a clean and modern look without having to write complex CSS from scratch.

    Overall, the design concept focuses on clarity, simplicity, and accessibility, ensuring that the website is not only visually appealing but also easy to use for visitors.

2. **Screenshots of the Final Webpages**

    Below are the screenshots of the final version of the website, showing each page and its main content:

    - **Home Page**: The homepage introduces the website and features a simple design with my name, a profile picture, and quick links to social media accounts.
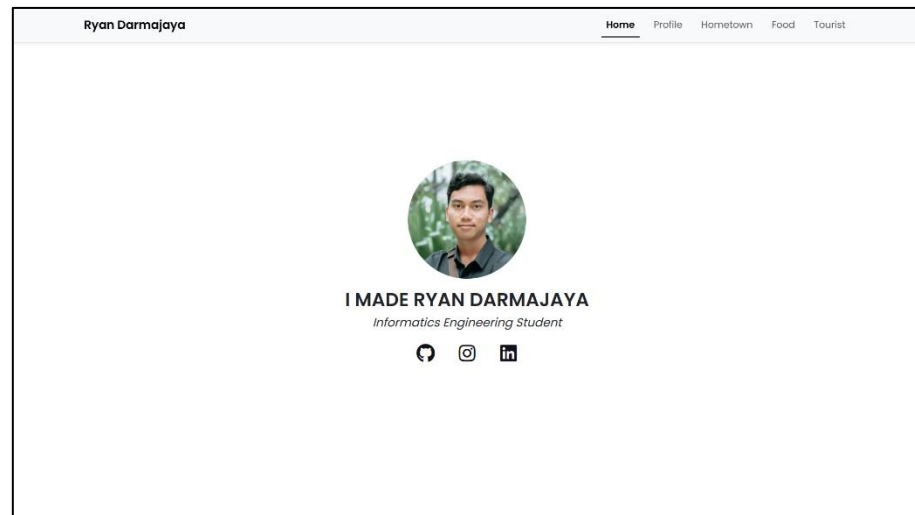
    - **Profile Page**: This page contains a short biography about myself, including my academic background, interests, and passion for technology, along with profile photos.
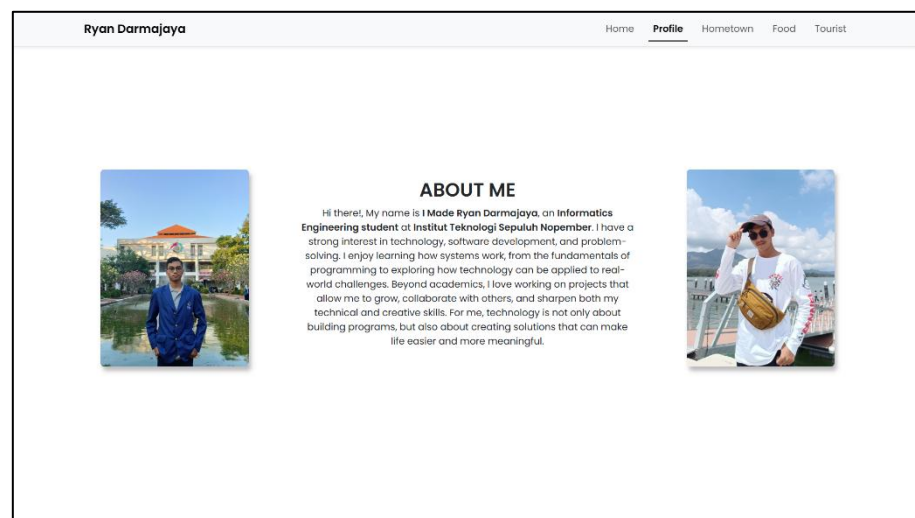
- **Hometown Page**: The hometown page describes Tabanan, Bali. Highlighting its peaceful landscapes, rice fields, and cultural uniqueness with supporting images.
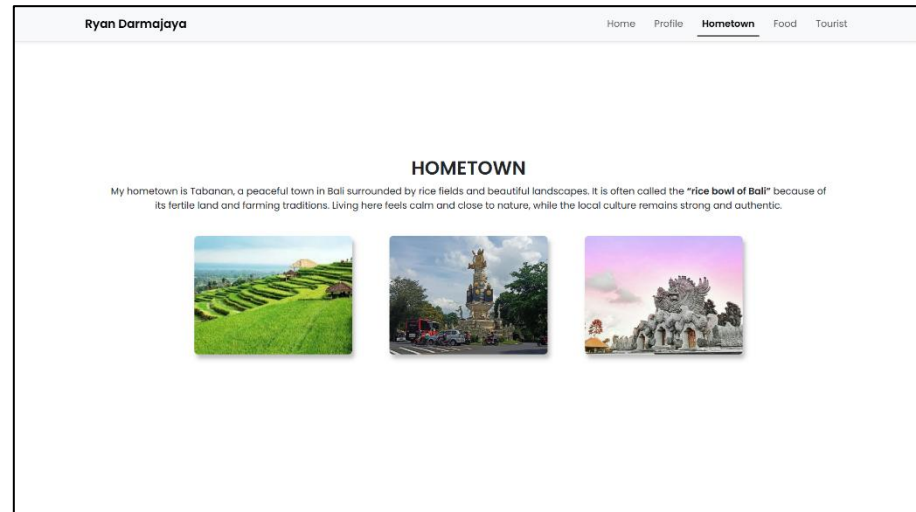
- **Food Page**: This page introduces some of Tabanan's traditional foods, such as *Entil, Kuwir Nyat-Nyat,* and *Laklak Biu*, accompanied by relevant images.
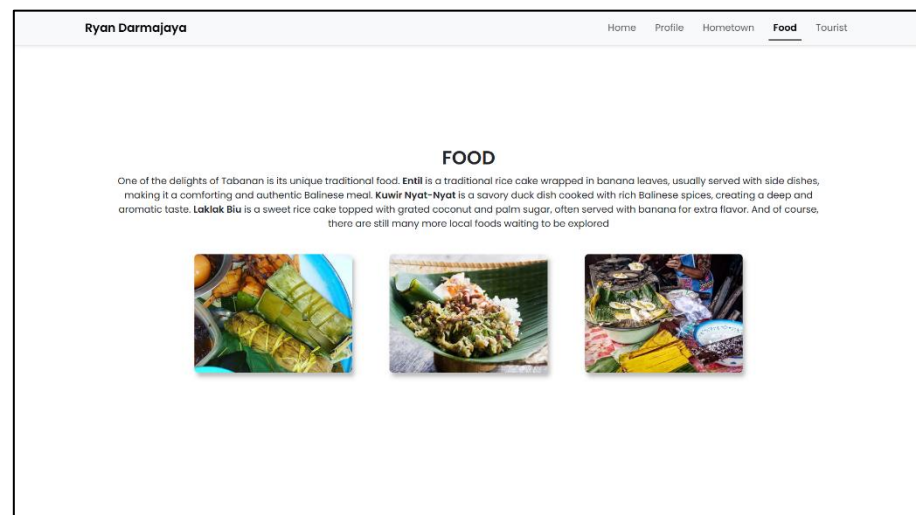
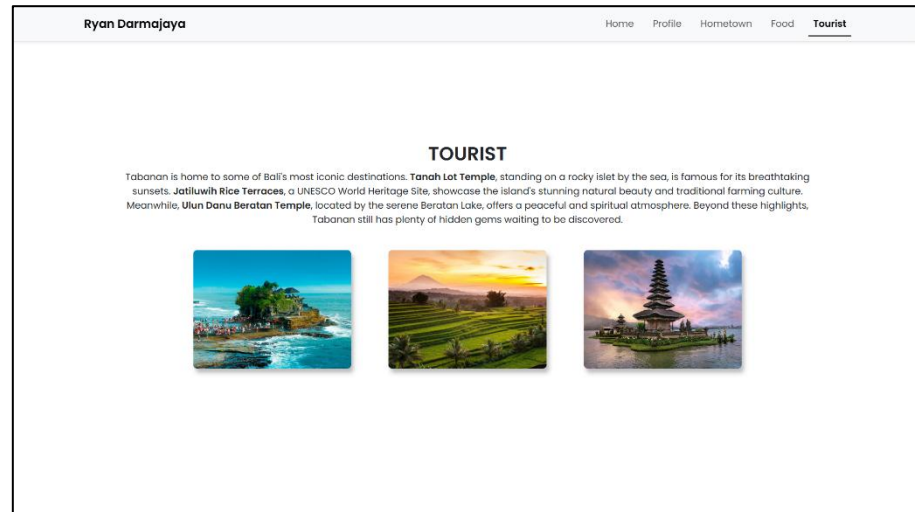- **Tourist Page**: The tourist attractions page showcases famous destinations in Tabanan, such as *Tanah Lot Temple, Jatiluwih Rice Terraces,* and *Ulun Danu Beratan Temple*, supported by photos and short descriptions.

3. Explanations of Code and Implementation Choices

Bootstrap Setup: My code uses the Bootstrap framework, so I included the Bootstrap CDN in every HTML file.

```
<!doctype html>
<html lang="en">
  <head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <title>Bootstrap demo</title>
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.8/dist/css/bootstrap.min.css" rel="stylesheet"
 integrity="sha384-sRIl4kxILFvY47J16cr9ZwB07vP4J8+LH7qKQnuqkuIAvNWLzeN8tE5YBujZqJLB" crossorigin=
"anonymous">
  </head>
  <body>
    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.8/dist/js/bootstrap.bundle.min.js" integrity=
"sha384-FKyoEForCGlyvwx9Hj09JcYn3nv7wiPVlz7YYwJrWVcXK/BmnVDxM+D2scQbITxI" crossorigin="anonymous"></
script>
  </body>
</html>
```

Navigation Bar: After setting up the Bootstrap CDN, I referred to the Bootstrap navigation bar documentation to build my own navigation bar, and making several modifications to match the overall design of the website.


```html
<nav class="navbar navbar-expand-lg bg-body-tertiary">
  <div class="container-fluid">
    <a class="navbar-brand" href="#">Navbar</a>
    <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarN
      <span class="navbar-toggler-icon"></span>
    </button>
    <div class="collapse navbar-collapse" id="navbarNav">
      <ul class="navbar-nav">
        <li class="nav-item">
          <a class="nav-link active" aria-current="page" href="#">Home</a>
        </li>
        <li class="nav-item">
          <a class="nav-link" href="#">Features</a>
        </li>
        <li class="nav-item">
          <a class="nav-link" href="#">Pricing</a>
        </li>
        <li class="nav-item">
          <a class="nav-link disabled" aria-disabled="true">Disabled</a>
        </li>
      </ul>
    </div>
  </div>
</nav>
```



```html
<nav class="navbar navbar-expand-md navbar-light bg-light border-bottom shadow-sm fixed-top">
  <div class="container">
    <a class="navbar-brand" href="#BLUE">
      <span class="fw-bold"> Ryan Darmajaya </span>
    </a>
    <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#main-nav" aria-controls="main-nav" aria-expanded="false" aria-label=
"Toggle navigation">
      <span class="navbar-toggler-icon"></span>
    </button>
    <div class="collapse navbar-collapse justify-content-end align-center" id="main-nav">
      <ul class="navbar-nav nav-underline">
        <li class="nav-item">
          <a class="nav-link active" aria-current="page" href="index.html">Home</a>
        </li>
        <li class="nav-item">
          <a class="nav-link" href="profile.html">Profile</a>
        </li>
        <li class="nav-item">
          <a class="nav-link" href="hometown.html">Hometown</a>
        </li>
        <li class="nav-item">
          <a class="nav-link" href="food.html">Food</a>
        </li>
        <li class="nav-item">
          <a class="nav-link" href="tourist.html">Tourist</a>
        </li>
      </ul>
    </div>
  </div>
</nav>
```
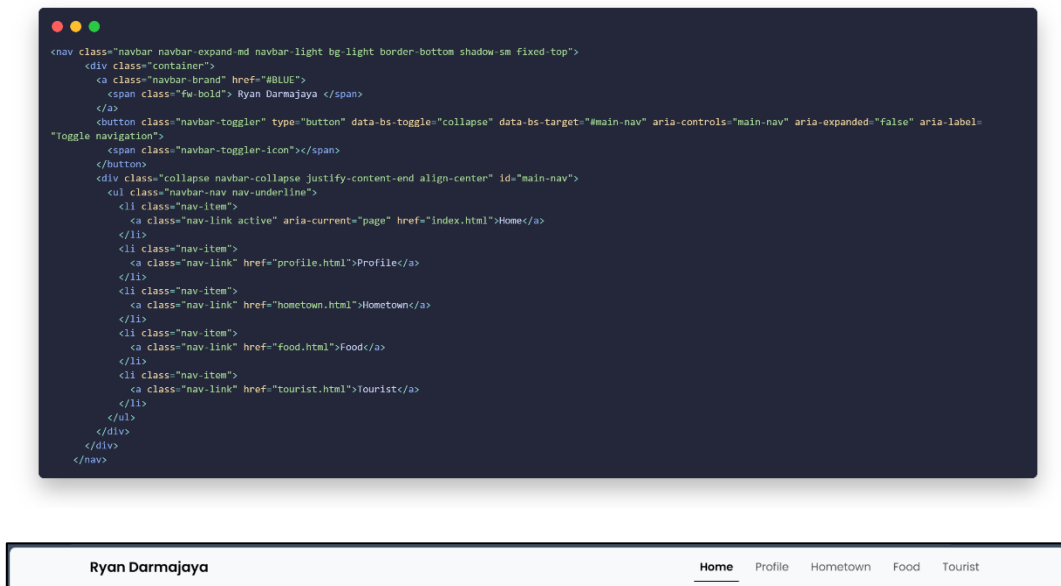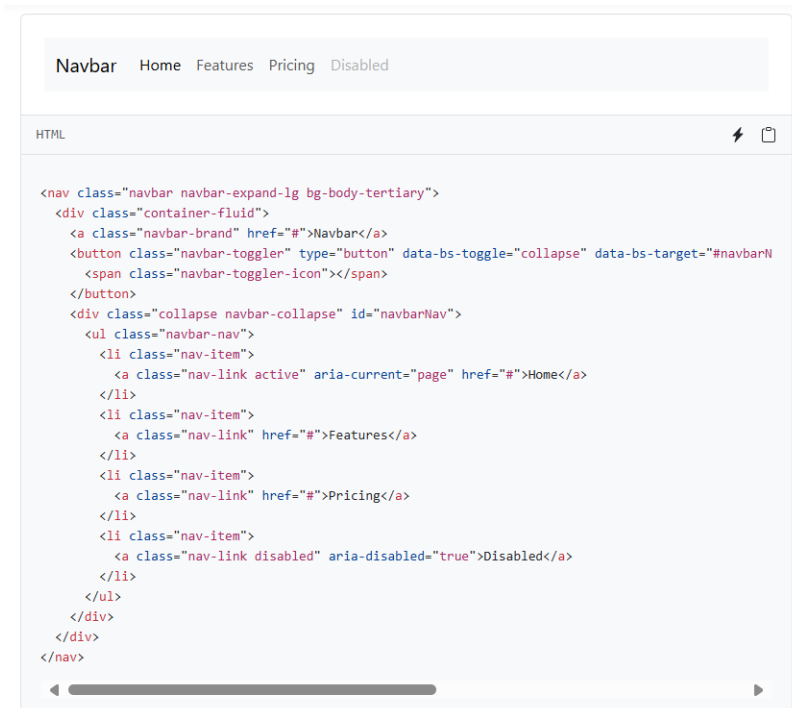
Main Section: After creating the navigation bar for each HTML file, I continued by developing the main section of every page. For this part, I applied Bootstrap's 12-column grid system, which provides a simple way to build responsive layouts. This system allows the content to automatically adjust and collapse when the screen size becomes smaller. Using this approach, I structured the main section of all pages, as shown in the example of the Profile page below.
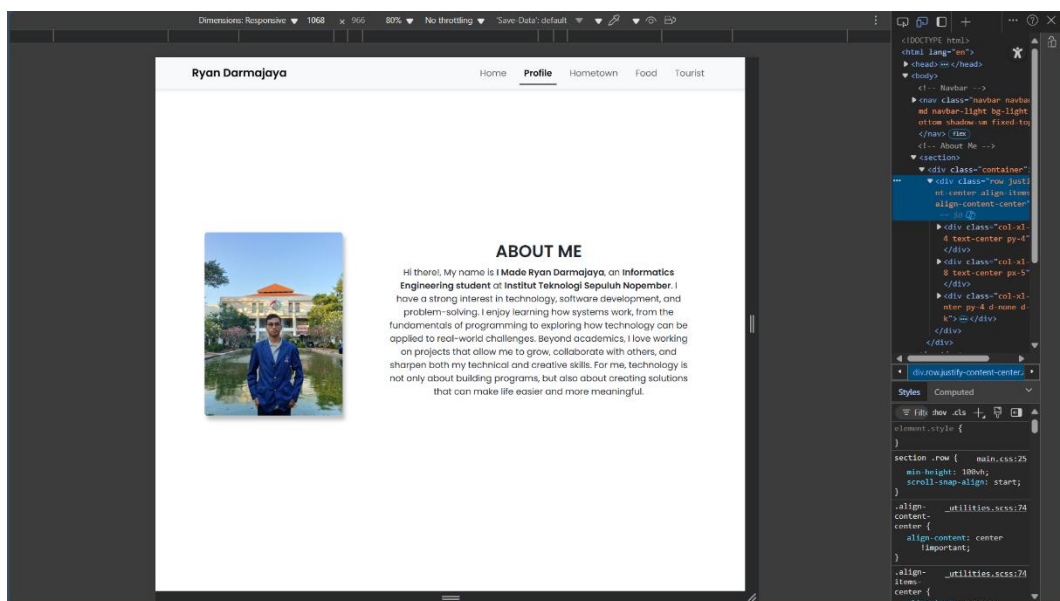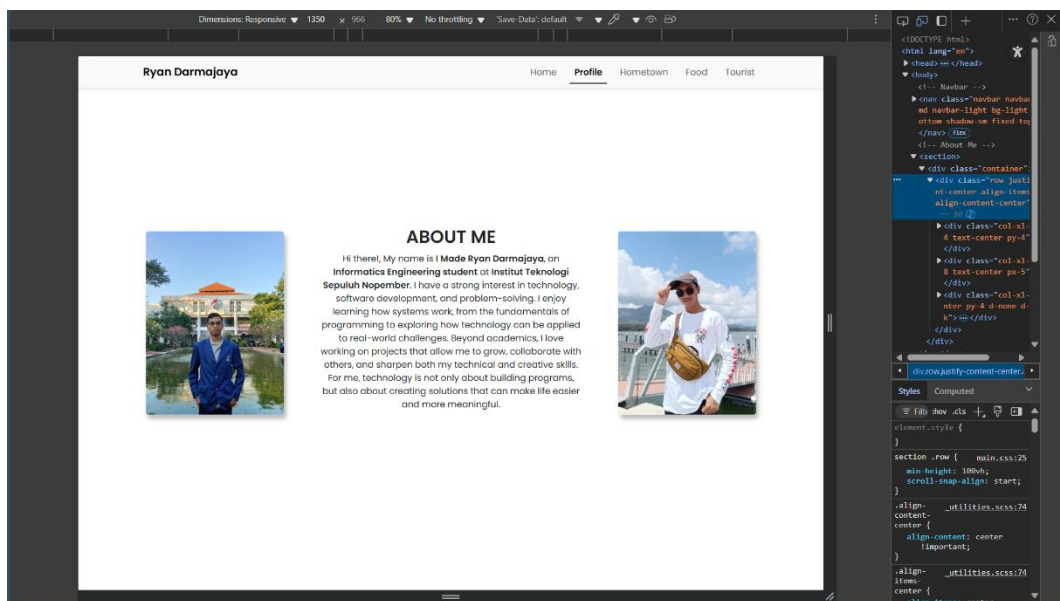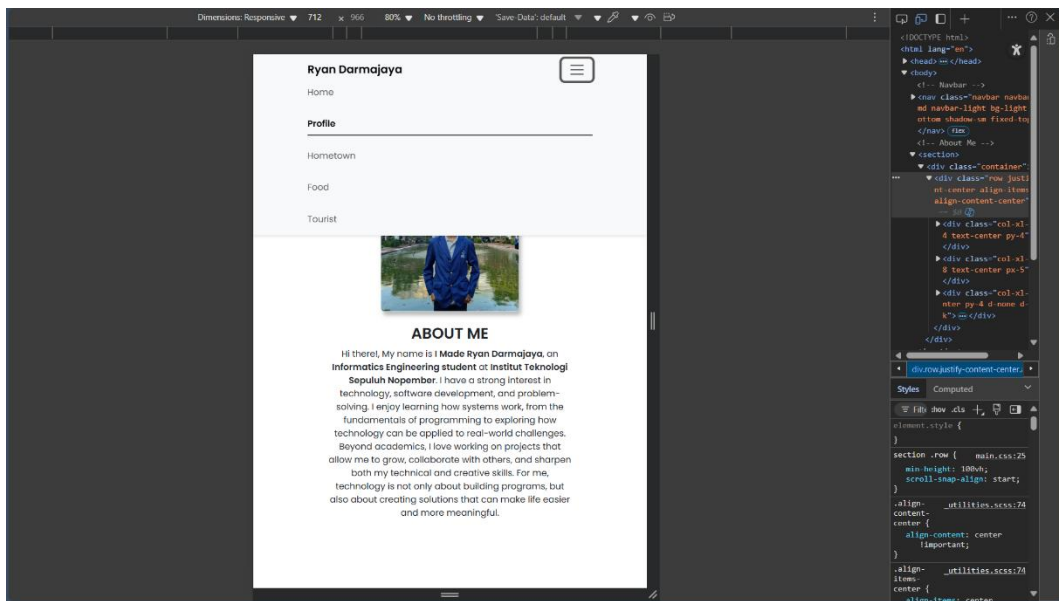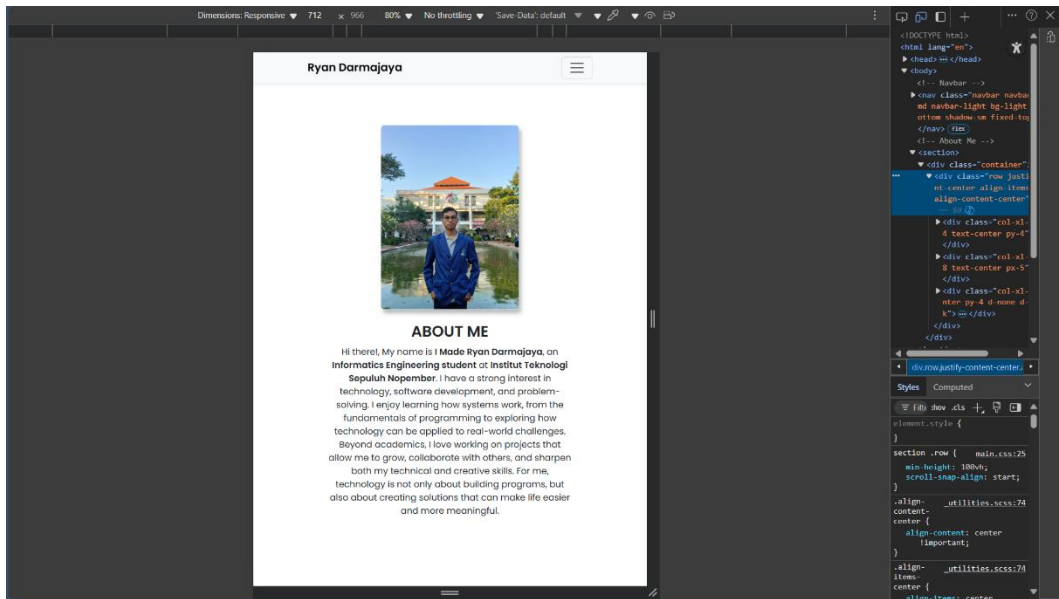
```html
<section>
  <div class="container">
    <div class="row justify-content-center align-items-center align-content-center">
      <div class="col-xl-3 col-lg-4 text-center py-4">
        <img width="250px" class="image rounded" src="assets/image/profile-2.jpg" alt="Ryan Darmajaya" />
      </div>
      <div class="col-xl-6 col-lg-8 text-center px-5">
        <h2 class="fw-bold">ABOUT ME</h1>
        <p>Hi there!, My name is <strong>I Made Ryan Darmajaya</strong>, an <strong>Informatics Engineering student</strong> at <strong>
Institut Teknologi Sepuluh Nopember</strong>
. I have a strong interest in technology, software development, and problem-solving. I enjoy learning how systems work, from the fundamentals of programming to exploring h
ow technology can be applied to real-world challenges. Beyond academics, I love working on projects that allow me to grow, collaborate with others, and sharpen both my tec
hnical and creative skills. For me, technology is not only about building programs, but also about creating solutions that can make life easier and more meaningful.
</p>
      </div>
      <div class="col-xl-3 text-center py-4 d-none d-xl-block">
        <img width="250px" class="image rounded" src="assets/image/profile-3.jpg" alt="Ryan Darmajaya" />
      </div>
    </div>
  </div>
</section>
```

Hover: I also added hover animations on every page, such as for images and some text elements.

```css
.navbar-brand {
  transition: 250ms ease-in-out;
}
.icon {
    color: #11121a;
    font-size: 2rem;
    max-width: 70px;
    transition: 250ms ease-in-out;
}
.navbar-brand:hover, .icon:hover {
    color: var(--accent-color);
}
.icon a {
    color: inherit;
    text-decoration: none;
}
```

```css
.image {
    box-shadow: 4px 7px 7px 0px #00000042;
    transition: 400ms;
}
.image:hover {
    transform: scale(1.03) !important;
}
.home-image {
    transition: 400ms;
}
.home-image:hover {
    filter: grayscale(1);
}
```

Icons: I also used the Font Awesome CDN to add icons such as GitHub, Instagram, and LinkedIn.

```html
<script src="https://kit.fontawesome.com/3a0107f366.js"
crossorigin="anonymous"></script>
```

```html
<i class="fa-brands fa-github"></i>
```

4. **Analysis or Evaluation of the Project**

Overall, the project successfully achieved its primary goal of developing a simple yet responsive personal website. The implementation of fundamental web technologies such as HTML, CSS, and JavaScript, combined with Bootstrap's grid system, provides a strong foundation for both design and layout. The use of Bootstrap ensures consistency and responsiveness, allowing the website to adapt smoothly across different screen sizes. Hover effects on images and text also introduce a level of interactivity, making the user experience less static. However, the website still feels somewhat minimal in terms of dynamic engagement, as it lacks richer animations and transitions that could enhance visual appeal and keep users more engaged. Despite these areas for improvement, the project demonstrates solid progress in understanding the basics of web development and responsive design, offering a valuable learning experience for future enhancements.

5. **Conclusion**

In conclusion, this project has successfully demonstrated the development of a responsive personal website using fundamental web technologies supported by Bootstrap. The website not only highlights the ability to structure content effectively but also ensures accessibility across various devices. While the current implementation achieves its primary objectives, there is still potential for improvement, particularly in enhancing interactivity and incorporating more engaging animations. Overall, this project has provided meaningful experience and practical insight into the process of building modern websites, which can serve as a strong foundation for more advanced web development in the future.