Portfolio website Assignment ISYS 3004

Table of contents

Website Links

GitHub: https://arjanmallik.github.io/Web-design-Assignment/
Netlify: https://arjanmallik.netlify.app/

Conversation links

I did use multiple AI tools and the conversations were very disorganized. I started off with ChatGPT then also used Deep Seek, Black box and Grok. Chat Gpt and Grok were most helpful, but in the end I found AI to be very stupid. It keeps on forgetting my requirements . I now understand fully what you meant in your lectures.

Here are some conversation links from Chat GPT, as most of the time I used thai tool for my website creation.

1. https://chatgpt.com/share/67f82fe3-c94c-8007-b263-7d6170470fb3 . This is the starting of the website where chat GPT creates a very basic website with basic CSS and JS to begin.
2. https://chatgpt.com/share/67f8301c-c85c-8007-b1c2-e4bf4cbed783 . This is where I download a free template designed by HTML Codex, and try to implement some of the attributes on my own. Although It didn't come close to the template as the template had a lot going on and PHP in it as well.
3. https://chatgpt.com/share/67f8365e-ff88-8007-87a3-a6d386bce57e . This is where I go section by section making my css. A very long conversation with very stupid questions asked. As I couldn't trust chat GPT to make it in one go, I started questioning it section by section and making the whole css.
4. https://chatgpt.com/share/67f83164-44b8-8007-8f9f-b08764b793c7 . I was having a issue with my hamburger menu where I had to go back and forth with chat GPT trying to find the problem of why this is happening.
5. https://chatgpt.com/share/67f831b4-94ac-8007-82cb-e9c77e38cc84 . This is where I was able to fix the hamburger menu problem on my projects and research pages.

Before and Afters

Changes In CSS

The befores are from the 10th commit (creatign a separate projects page), right before the CSS changes made in he 11th commit (made css design one by one). CSS was did not go through major changes after that.

1. **Before:**

```
header {
  background: #1a2b49;
  color: white;
  padding: 20px 0;
  text-align: center;
  font-family: 'Kugile', sans-serif; /* Title/Heading font */
  margin-top: 60px;
}
```

After:

```
/* Other Styles (Header, Hero, etc.) */
header {
  background: #1a2b49;
  color: white;
  padding: 20px 0;
  text-align: center;
  font-family: 'poppins', sans-serif; /* Title/Heading font */
  margin-top: 60px;
}
```

Reason: The font style was changed from kugile to poppins to more fit modern web style.

2. **Before:**

```
.SERVICES, .skills, .PROJECT {
  padding: 40px 20px;
  text-align: center;
}

.SERVICES h2, .skills h2, .PROJECT h2 {
  font-size: 2.2em;
  font-family: 'Kugile', sans-serif;
  margin-bottom: 30px;
}

.SERVICES .service-card, .PROJECT .PROJECT-card {
  background: #fff;
  padding: 20px;
```

```css
  width: 250px;
  margin: 10px;
  border-radius: 10px;
  box-shadow: 0 4px 10px rgba(0, 0, 0, 0.1);
  transition: transform 0.3s ease, box-shadow 0.3s ease;
}

.SERVICES .service-card:hover, .PROJECT .PROJECT-card:hover {
  transform: translateY(-10px);
  box-shadow: 0 6px 15px rgba(0, 0, 0, 0.2);
}

.SERVICES {
  display: flex;
  justify-content: center;
  gap: 30px;
  flex-wrap: wrap;
}

.PROJECT {
  display: flex;
  justify-content: center;
  gap: 30px;
  flex-wrap: wrap;
}

.PROJECT-card h3 {
  font-size: 1.6em;
  margin-bottom: 10px;
  font-family: 'Kugile', sans-serif;
```

After:

```css
/* Skills Section */
.skills {
  padding: 40px 20px;
  display: flex; /* Enables flexbox layout */
  flex-direction: column; /* Ensures header stays on top */
  align-items: center; /* Centers the header */
  gap: 20px; /* Space between the header and the items */
}


.skills h2 {
  font-family: 'Poppins', sans-serif;
```

```css
  font-size: 2em;
  margin-bottom: 20px; /* Adds space below the header */
  text-align: center; /* Centers the header text */
}


.skills-items-container {
  display: flex; /* Flexbox for skill items */
  gap: 20px; /* Space between the items */
  flex-wrap: wrap; /* Allows wrapping on smaller screens */
  justify-content: center; /* Centers the items horizontally */
}


.skill-button {
  background-color: #fff;
  padding: 20px;
  margin: 10px;
  width: 350px; /* Fixed width for each item */
  height: 100px; /* Set initial height */
  border-radius: 10px;
  box-shadow: 0 4px 10px rgba(0, 0, 0, 0.1);
  cursor: pointer;
  transition: transform 0.3s ease, box-shadow 0.3s ease, height
0.3s ease;
  font-size: 1.1em;
  font-family: 'Poppins', sans-serif;
  overflow: hidden;
}


.skill-button:hover {
  transform: translateY(-10px);
  box-shadow: 0 6px 15px rgba(0, 0, 0, 0.2);
}


.skill-details {
  display: none;
```

```css
    margin-top: 10px;
    font-size: 1em;
    color: #666;
}


/* On hover, show details and expand height */
.skill-button:hover .skill-details {
    display: block;
}


.skill-button:hover {
    height: auto; /* Allow the item to expand */
}


/* PROJECT Section (Portfolio with Buttons for Projects and
Researches) */
.PROJECT {
    padding: 40px 20px;
    display: flex; /* Enables flexbox layout */
    flex-direction: column; /* Ensures header stays on top */
    align-items: center; /* Centers the header */
    gap: 20px; /* Space between the header and the items */
}

.portfolio-button {
    background-color: #1a2b49;
    color: white;
    padding: 20px;
    margin: 10px;
    width: 250px;
    height: 100px; /* Set initial height */
    border-radius: 10px;
    text-align: center;
    cursor: pointer;
    font-size: 1.2em;
    text-transform: uppercase;
```

```css
  transition: transform 0.3s ease, box-shadow 0.3s ease;
  font-family: 'Poppins', sans-serif;
  box-shadow: 0 4px 10px rgba(0, 0, 0, 0.1);
  overflow: hidden;
}

.portfolio-button:hover {
  transform: translateY(-10px);
  background-color: #f5f5f5;
  color: #1a2b49;
  box-shadow: 0 6px 15px rgba(0, 0, 0, 0.2);
}
```

Reason: Services SKills and Project sections were changed to just Skills and Portfolio sections. Under skills adn portfolio section buttons were added. Font was again changed to poppins. Skill section did not have a specific layout. It is now using flexbox and ensures the header stays on top (as I was having problems with my header going to the left). A Hover effect was created for the buttons. And also on the skill section while hovering the button expands to show details which was also added.

In the project section Instead of cards Buttons have been used so HTML changes were also made to make those buttons lead to a new page where the projects are organized. Hover effect was also used.

3. **Before:**

```css
/* Media Queries for responsiveness */
@media screen and (max-width: 768px) {
  .SERVICES {
    flex-direction: column;
    align-items: center;
  }

  .PROJECT {
    flex-direction: column;
    align-items: center;
  }

  header h1 {
    font-size: 2em;
  }
```

```
header p {
  font-size: 1em;
}

.hero h1 {
  font-size: 2.5em;
}

.hero p {
  font-size: 1.2em;
  }
}
```

After:

```css
/* Media Queries for responsiveness */
@media screen and (max-width: 768px) {
  header h1 {
    font-size: 1em;
  }


  header p {
    font-size: 1em;
  }


  .hero h1 {
    font-size: 2.5em;
  }


  .hero p {
    font-size: 1.2em;
  }


  .skill-button {
    width: 80%;
  }
```

```css
.portfolio-button {
  width: 80%;
}


#about-me {
  flex-direction: column;
  align-items: center;
}


#about-me img {
  margin-bottom: 20px;
}


/* Smaller text in the About Me section */
#about-me h2 {
  font-size: 1.5em;  /* Make the header smaller */
}


#about-me .about-paragraph {
  font-size: 0.9em;  /* Reduce the paragraph font size */
}


#about-me button {
  font-size: 0.9em;  /* Reduce the button font size */
}
/* Education section - make buttons smaller */
.education-item {
  width: 90%;                /* Responsive width */
  height: auto;              /* Let height adjust */
  padding: 15px;             /* Slightly less padding */
  font-size: 0.95em;         /* Smaller font */
}
```

```css
.education h2 {
  font-size: 1.5em;
}


.education-details {
  font-size: 0.85em;
}


/* Footer adjustments */
.footer {
  padding: 15px 20px;  /* Adjust padding for a more compact
footer */
  text-align: center;   /* Center align the text */
}


.footer p {
  font-size: 0.8em;   /* Smaller text for the footer */
}
}
```

Reason: To fit mobile screens font size were reduced to 1em for headers and 1em for paragraphs Same in the hero section as well Skill and portfolio buttons were adjusted as well to view on smaller screens. The text size for about me was set to be small. Media queries for education, skill, portfolio were created. Footer was changed to have more padding and have smaller font on mobile phones.

4. **Removed smooth scrolling;**

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

```
```

Reason: Smooth scrolling command was also implemented on java script. It wasn't required on css anymore.

5. **Removed;**

```
.portfolio-button:hover .portfolio-details {
    display: block;
```

Reason: This code did not serve any purpose as there were no portfolio details to view

.

Changes in HTML

BEFORE:

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

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Arjan Mallik - PROJECT</title>
  <link
href="https://fonts.googleapis.com/css2?family=Poppins:wght@300;400;500;
600&display=swap" rel="stylesheet">

  <!-- Link to external CSS -->
  <link rel="stylesheet" href="css/styles.css">
</head>

<body>
  <!-- Navigation Bar -->
  <nav>
    <div class="hamburger" id="hamburger" onclick="toggleNav()"
```

```html
role="button" aria-expanded="false" aria-label="Toggle Navigation">
      <div></div>
      <div></div>
      <div></div>
    </div>
    <ul id="navbar">
      <li><a href="index.html">Home</a></li>
      <li><a href="#EDU">EDUCATION</a></li>
      <li><a href="#SKILLS">Skills</a></li>
      <li><a href="#PROJECT">Portfolio</a></li>
      <li><a href="#contact">Contact</a></li>
    </ul>
  </nav>

  <!-- About Me Section -->
  <section id="about-me">
    <img src="images/arjan.jpeg" alt="Arjan Mallik">
    <div class="content">
      <h2>Arjan Mallik</h2>
      <p class="about-paragraph">Hi, I'm Arjan Mallik, a final-year
Business Information Systems student at Curtin University, specializing
in Business Analytics and Advanced Technologies. I'm passionate about
using data to solve real-world problems and drive decisions. In my spare
time, I enjoy developing projects, honing my tech skills, and keeping up
with the latest trends...</p>

      <!-- Link to the actual resume.pdf -->
      <button onclick="window.location.href='resume.pdf'">Download
Resume</button>
      <button onclick="window.location.href='#EDU'">Learn More</button>
    </div>
  </section>

  <!-- Education Section -->
  <section class="education" id="EDU">
    <h2>Education</h2>
    <div class="education-items-container">
      <!-- Curtin University -->
      <div class="education-item">
```

```html
        <p>Curtin University</p>
        <div class="education-details">
          <p><strong>Degree:</strong> BCom</p>
          <p><strong>Major </strong> Information Systems (Extended
Program)</p>
          <p><strong>Specializations:</strong> Business Analytics,
Advanced Business Technologies</p>
          <p><strong>Expected Graduation:</strong> 2026</p>
        </div>
      </div>

      <!-- Chittagong Independent University -->
      <div class="education-item">
        <p>Chittagong Independent University</p>
        <div class="education-details">
          <p><strong>Degree:</strong> BBA, 1 Year</p>
          <p><strong>Major:</strong> Management Information Systems</p>
          <p><strong>Transfer:</strong> Credits transferred to Curtin
University</p>
        </div>
      </div>
    </div>
  </section>

  <section class="skills" id="SKILLS">
    <h2>Skills</h2>
    <div class="skills-items-container">
      <!-- Leadership -->
      <div class="skill-button" id="leadership"
onclick="expandSkill('leadership')">
        <p>Leadership</p>
        <div class="skill-details" id="leadership-details">
          <p>Experience in leading teams, motivating staff, and managing
operations effectively.</p>
        </div>
      </div>
      <!-- Programming -->
      <div class="skill-button" id="programming"
onclick="expandSkill('programming')">
```

```html
        <p>Programming</p>
        <div class="skill-details" id="programming-details">
          <p>Skilled in Python, Java, HTML, CSS, and WordPress
development.</p>
        </div>
      </div>
      <!-- Project Management -->
      <div class="skill-button" id="project-management"
onclick="expandSkill('project-management')">
        <p>Project Management</p>
        <div class="skill-details" id="project-management-details">
          <p>Expertise in managing projects, timelines, and client
relations.</p>
        </div>
      </div>
      <!-- Business Analysis -->
      <div class="skill-button" id="business-analysis"
onclick="expandSkill('business-analysis')">
        <p>Business Analysis</p>
        <div class="skill-details" id="business-analysis-details">
          <p>Proficient in gathering requirements, analyzing data, and
delivering actionable insights to improve business processes.</p>
        </div>
      </div>
      <!-- Data Analytics -->
      <div class="skill-button" id="data-analytics"
onclick="expandSkill('data-analytics')">
        <p>Data Analytics</p>
        <div class="skill-details" id="data-analytics-details">
          <p>Experience in using tools like Power BI and Excel for data
analysis and creating visual reports.</p>
        </div>
      </div>
      <!-- SQL -->
      <div class="skill-button" id="sql" onclick="expandSkill('sql')">
        <p>SQL</p>
        <div class="skill-details" id="sql-details">
          <p>Knowledge of SQL queries for managing databases and
performing data manipulations.</p>
```

```html
        </div>
      </div>
      <!-- Problem-Solving -->
      <div class="skill-button" id="problem-solving"
onclick="expandSkill('problem-solving')">
        <p>Problem-Solving</p>
        <div class="skill-details" id="problem-solving-details">
          <p>Strong ability to identify issues and implement effective
solutions to drive results.</p>
        </div>
      </div>
      <!-- Communication -->
      <div class="skill-button" id="communication"
onclick="expandSkill('communication')">
        <p>Communication</p>
        <div class="skill-details" id="communication-details">
          <p>Excellent verbal and written communication skills,
including presenting technical information clearly.</p>
        </div>
      </div>
      <!-- CRM -->
      <div class="skill-button" id="crm" onclick="expandSkill('crm')">
        <p>Customer Relationship Management (CRM)</p>
        <div class="skill-details" id="crm-details">
          <p>Familiar with CRM software to enhance customer engagement
and satisfaction.</p>
        </div>
      </div>
      <!-- Cloud Computing -->
      <div class="skill-button" id="cloud-computing"
onclick="expandSkill('cloud-computing')">
        <p>Cloud Computing</p>
        <div class="skill-details" id="cloud-computing-details">
          <p>Understanding of cloud platforms like AWS, Google Cloud,
and Microsoft Azure for scalable solutions.</p>
        </div>
      </div>
      <!-- Agile Methodology -->
      <div class="skill-button" id="agile-methodology"
```

```
onclick="expandSkill('agile-methodology')">
        <p>Agile Methodology</p>
        <div class="skill-details" id="agile-methodology-details">
          <p>Knowledge of Agile frameworks like Scrum and Kanban for
efficient project management.</p>
        </div>
      </div>
      <!-- Machine Learning -->
      <div class="skill-button" id="machine-learning"
onclick="expandSkill('machine-learning')">
        <p>Machine Learning (Introductory)</p>
        <div class="skill-details" id="machine-learning-details">
          <p>Familiar with basic machine learning algorithms and tools
for predictive modeling.</p>
        </div>
      </div>
      <!-- Social Media Marketing -->
      <div class="skill-button" id="social-media-marketing"
onclick="expandSkill('social-media-marketing')">
        <p>Social Media Marketing</p>
        <div class="skill-details" id="social-media-marketing-details">
          <p>Experience with digital marketing, SEO, and social media
platforms to create engaging campaigns.</p>
        </div>
      </div>
    </div>
  </section>


  <!-- PROJECT Section (Portfolio with Buttons for Projects and
Researches) -->
  <section class="PROJECT" id="PROJECT">
    <h2>PORTFOLIO</h2>
    <div class="portfolio-button"
onclick="window.location.href='Project.html'">
      <p>Projects</p>
    </div>
    <div class="portfolio-button"
onclick="window.location.href='Researches.html'">
```

```html
        <p>Researches</p>
    </div>
</section>


<section id="contact" class="contact-section">
    <h2>Contact Me</h2>
    <p>To get in touch <a href="mailto:arjan21mallik@gmail.com">Email
Me</a></p>
    <p>Or find me on  <a href="https://www.linkedin.com/in/arjan-mallik"
target="_blank">Linkedin</a></p>
    <p>Location: Perth, Western Australia</p>
    <p>Available for Internships, Part-time and Full-time Roles
roles</p>
</section>



<!-- Footer Section -->
<footer class="footer">
    <p> Arjan Mallik 2025, for ISYS 3004 Business Web and Mobile
technologies</p>
</footer>

<!-- Script for Hamburger Menu -->
<script>
  function toggleNav() {
    const navbar = document.getElementById("navbar");
    navbar.classList.toggle("active");

    const hamburger = document.getElementById("hamburger");
    const isExpanded = navbar.classList.contains("active");
    hamburger.setAttribute("aria-expanded", isExpanded);
  }

  // Expand and collapse skills details
  function expandSkill(skillId) {
    document.getElementById(skillId + "-details").style.display =
"block";
  }
```

```
    function collapseSkill(skillId) {
        document.getElementById(skillId + "-details").style.display =
"none";
    }
  </script>


  <!-- Link to external JS -->
  <script src="js/script.js" defer></script>
</body>


</html>
```

AFTER:

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


<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Arjan Mallik - PROJECT</title>
  <link
href="https://fonts.googleapis.com/css2?family=Poppins:wght@300;400;500;
600&display=swap" rel="stylesheet">


  <!-- Link to external CSS -->
  <link rel="stylesheet" href="css/styles.css">
</head>


<body>
  <!-- Navigation Bar -->
  <nav>
    <div class="hamburger" id="hamburger" onclick="toggleNav()"
role="button" aria-expanded="false" aria-label="Toggle Navigation">
```

```html
        <div></div>
        <div></div>
        <div></div>
    </div>
    <ul id="navbar">
        <li><a href="index.html">Home</a></li>
        <li><a href="#EDU">EDUCATION</a></li>
        <li><a href="#SKILLS">Skills</a></li>
        <li><a href="#PROJECT">Portfolio</a></li>
        <li><a href="#contact">Contact</a></li>
    </ul>
</nav>

<!-- About Me Section -->
<section id="about-me">
    <img src="images/arjan.jpeg" alt="Arjan Mallik">
    <div class="content">
        <h2>Arjan Mallik</h2>
        <p class="about-paragraph">Hi, I'm Arjan Mallik, a final-year
Business Information Systems student at Curtin University, specializing
in Business Analytics and Advanced Technologies. I'm passionate about
using data to solve real-world problems and drive decisions. In my spare
time, I enjoy developing projects, honing my tech skills, and keeping up
with the latest trends...</p>

        <!-- Link to the actual resume.pdf -->
        <button onclick="window.location.href='resume.pdf'">Download
Resume</button>
        <button onclick="window.location.href='#EDU'">Learn More</button>
    </div>
</section>

<!-- Education Section -->
<section class="education" id="EDU">
    <h2>Education</h2>
    <div class="education-items-container">
        <!-- Curtin University -->
        <div class="education-item">
            <p>Curtin University</p>
```

```html
        <div class="education-details">
          <p><strong>Degree:</strong> BCom</p>
          <p><strong>Major </strong> Information Systems (Extended
Program)</p>
          <p><strong>Specializations:</strong> Business Analytics,
Advanced Business Technologies</p>
          <p><strong>Expected Graduation:</strong> 2026</p>
        </div>
      </div>


      <!-- Chittagong Independent University -->
      <div class="education-item">
        <p>Chittagong Independent University</p>
        <div class="education-details">
          <p><strong>Degree:</strong> BBA, 1 Year</p>
          <p><strong>Major:</strong> Management Information Systems</p>
          <p><strong>Transfer:</strong> Credits transferred to Curtin
University</p>
        </div>
      </div>
    </div>
  </section>

  <section class="skills" id="SKILLS">
    <h2>Skills</h2>
    <div class="skills-items-container">
      <!-- Leadership -->
      <div class="skill-button" id="leadership"
onclick="expandSkill('leadership')">
        <p>Leadership</p>
        <div class="skill-details" id="leadership-details">
          <p>Experience in leading teams, motivating staff, and managing
operations effectively.</p>
        </div>
      </div>
      <!-- Programming -->
      <div class="skill-button" id="programming"
onclick="expandSkill('programming')">
        <p>Programming</p>
```

```html
        <div class="skill-details" id="programming-details">
            <p>Skilled in Python, Java, HTML, CSS, and WordPress
development.</p>
        </div>
    </div>
    <!-- Project Management -->
    <div class="skill-button" id="project-management"
onclick="expandSkill('project-management')">
        <p>Project Management</p>
        <div class="skill-details" id="project-management-details">
            <p>Expertise in managing projects, timelines, and client
relations.</p>
        </div>
    </div>
    <!-- Business Analysis -->
    <div class="skill-button" id="business-analysis"
onclick="expandSkill('business-analysis')">
        <p>Business Analysis</p>
        <div class="skill-details" id="business-analysis-details">
            <p>Proficient in gathering requirements, analyzing data, and
delivering actionable insights to improve business processes.</p>
        </div>
    </div>
    <!-- Data Analytics -->
    <div class="skill-button" id="data-analytics"
onclick="expandSkill('data-analytics')">
        <p>Data Analytics</p>
        <div class="skill-details" id="data-analytics-details">
            <p>Experience in using tools like Power BI and Excel for data
analysis and creating visual reports.</p>
        </div>
    </div>
    <!-- SQL -->
    <div class="skill-button" id="sql" onclick="expandSkill('sql')">
        <p>SQL</p>
        <div class="skill-details" id="sql-details">
            <p>Knowledge of SQL queries for managing databases and
performing data manipulations.</p>
        </div>
```

```html
        </div>
        <!-- Problem-Solving -->
        <div class="skill-button" id="problem-solving"
onclick="expandSkill('problem-solving')">
            <p>Problem-Solving</p>
            <div class="skill-details" id="problem-solving-details">
                <p>Strong ability to identify issues and implement effective
solutions to drive results.</p>
            </div>
        </div>
        <!-- Communication -->
        <div class="skill-button" id="communication"
onclick="expandSkill('communication')">
            <p>Communication</p>
            <div class="skill-details" id="communication-details">
                <p>Excellent verbal and written communication skills,
including presenting technical information clearly.</p>
            </div>
        </div>
        <!-- CRM -->
        <div class="skill-button" id="crm" onclick="expandSkill('crm')">
            <p>Customer Relationship Management (CRM)</p>
            <div class="skill-details" id="crm-details">
                <p>Familiar with CRM software to enhance customer engagement
and satisfaction.</p>
            </div>
        </div>
        <!-- Cloud Computing -->
        <div class="skill-button" id="cloud-computing"
onclick="expandSkill('cloud-computing')">
            <p>Cloud Computing</p>
            <div class="skill-details" id="cloud-computing-details">
                <p>Understanding of cloud platforms like AWS, Google Cloud,
and Microsoft Azure for scalable solutions.</p>
            </div>
        </div>
        <!-- Agile Methodology -->
        <div class="skill-button" id="agile-methodology"
onclick="expandSkill('agile-methodology')">
```

```html
            <p>Agile Methodology</p>
            <div class="skill-details" id="agile-methodology-details">
              <p>Knowledge of Agile frameworks like Scrum and Kanban for
efficient project management.</p>
            </div>
          </div>
          <!-- Machine Learning -->
          <div class="skill-button" id="machine-learning"
onclick="expandSkill('machine-learning')">
            <p>Machine Learning (Introductory)</p>
            <div class="skill-details" id="machine-learning-details">
              <p>Familiar with basic machine learning algorithms and tools
for predictive modeling.</p>
            </div>
          </div>
          <!-- Social Media Marketing -->
          <div class="skill-button" id="social-media-marketing"
onclick="expandSkill('social-media-marketing')">
            <p>Social Media Marketing</p>
            <div class="skill-details" id="social-media-marketing-details">
              <p>Experience with digital marketing, SEO, and social media
platforms to create engaging campaigns.</p>
            </div>
          </div>
        </div>
      </section>


  <!-- PROJECT Section (Portfolio with Buttons for Projects and
Researches) -->
  <section class="Portfolio" id="Portfolio">
    <h2>PORTFOLIO</h2>
    <div class="portfolio-button"
onclick="window.location.href='Project.html'">
      <p>Projects</p>
    </div>
    <div class="portfolio-button"
onclick="window.location.href='Researches.html'">
      <p>Researches</p>
```

```
    </div>
  </section>


  <section id="contact" class="contact-section">
    <h2>Contact Me</h2>
    <p>To get in touch <a href="mailto:arjan21mallik@gmail.com">Email
Me</a></p>
    <p>Or find me on  <a href="https://www.linkedin.com/in/arjan-mallik"
target="_blank">Linkedin</a></p>
    <p>Location: Perth, Western Australia</p>
    <p>Available for Internships, Part-time and Full-time Roles
roles</p>
  </section>



  <!-- Footer Section -->
  <footer class="footer">
    <p> Arjan Mallik 2025, for ISYS 3004 Business Web and Mobile
technologies</p>
  </footer>

  <!-- Script for Hamburger Menu -->
  <script>
    function toggleNav() {
      const navbar = document.getElementById("navbar");
      navbar.classList.toggle("active");

      const hamburger = document.getElementById("hamburger");
      const isExpanded = navbar.classList.contains("active");
      hamburger.setAttribute("aria-expanded", isExpanded);
    }

    // Expand and collapse skills details
    function expandSkill(skillId) {
      document.getElementById(skillId + "-details").style.display =
"block";
    }

    function collapseSkill(skillId) {
```

```
        document.getElementById(skillId + "-details").style.display =
"none";
    }
  </script>


  <!-- Link to external JS -->
  <script src="js/script.js" defer></script>
</body>


</html>
```

KEY Changes

1. Learn More button now leads to the EDU id instead of the education heading

```
<button onclick="window.location.href='#education'">Learn More</button>
    <button onclick="window.location.href='#EDU'">Learn More</button>
```

2. Data was changed manually from multiple places.
3. On the NAV, projects were changed to portfolios. And project ID was changed from project to portfolio
4. Contact section was made. Original Chat GPT had the contact details in the footer. I made a separate section and added email and Linkedin herf.
5. The hamburger menu is now handled by javascript

Changes in JS

Key changes to the js were made after its audit on JSHint.

Before:

```
// Select all the navigation links
const navLinks = document.querySelectorAll('nav ul li a');

// Add event listener to each navigation link
navLinks.forEach(link => {
  link.addEventListener('click', function(e) {
    // Only prevent default if it's an internal link and you want smooth scrolling
    if (this.getAttribute('href').startsWith('#')) {
      e.preventDefault(); // Prevent the default link behavior for internal links only

      const targetId = this.getAttribute('href').substring(1); // Get the target section's id
```

```
      const targetSection = document.getElementById(targetId); // Get the target section
element

      // Scroll to the target section smoothly
      targetSection.scrollIntoView({
        behavior: 'smooth',
        block: 'start' // Aligns the target section at the top
      });

      // Toggle the 'active' class to hide the menu after a click (for hamburger menu)
      const navMenu = document.querySelector('nav ul');
      navMenu.classList.remove('active');
    }
    // If it's an external link (e.g., to another HTML page), no smooth scroll, just normal
navigation
  });
});
```

After:

```
/* jshint esversion: 6 */


// Select all the navigation links
const navLinks = document.querySelectorAll('nav ul li a');


// Add event listener to each navigation link
navLinks.forEach(link => {
  link.addEventListener('click', function(e) {
    // Only prevent default if it's an internal link and you want smooth
scrolling
    if (this.getAttribute('href').startsWith('#')) {
      e.preventDefault(); // Prevent the default link behavior for
internal links only

      const targetId = this.getAttribute('href').substring(1); // Get
the target section's id
      const targetSection = document.getElementById(targetId); // Get
the target section element

      if (targetSection) {
        // Scroll to the target section smoothly
```

```javascript
        targetSection.scrollIntoView({
          behavior: 'smooth',
          block: 'start' // Aligns the target section at the top
        });
      } else {
        console.error("Target section not found:", targetId); // Log
error if section is not found
      }


      // Toggle the 'active' class to hide the menu after a click (for
hamburger menu)
      const navMenu = document.querySelector('nav ul');
      navMenu.classList.remove('active');
    }
    // If it's an external link (e.g., to another HTML page), no smooth
scroll, just normal navigation
    else if (this.getAttribute('href').startsWith('http')) {
      window.open(this.getAttribute('href'), '_blank'); // Open external
links in a new tab
    }
  });
});


// Optional: Adding ARIA roles for accessibility
document.querySelector('.hamburger').setAttribute('role', 'button');
document.querySelector('.hamburger').setAttribute('aria-expanded',
'false');
document.querySelector('nav').setAttribute('role', 'navigation');
```

Changes:
1. Error handling. if (targetSection) statement was added to have smooth scrolling and if the target section is not found an error message would be logged for easier debugging.
2. window.open() was used so external links would be opened in the new window.
3. ARIA roles were added to more accessibility

```javascript
// Optional: Adding ARIA roles for accessibility
document.querySelector('.hamburger').setAttribute('role',
```

```
'button');
document.querySelector('.hamburger').setAttribute('aria-expanded',
'false');
document.querySelector('nav').setAttribute('role', 'navigation');
```

4. /* jshint esversion: 6 */ was added to deal with debugging errors.

Reflection

A brief reflection (200-300 words) on your design and coding decisions, challenges faced, and problem-solving approach.

The journey was fun. It went very differently than I expected. I had started with a design in mind but really explored my options. My main goal which I wanted is to create multiple pages for education, skills, and contact. I wanted to add more pictures and upload my power BI projects done in curtin. But I fell short on time. My website seems very basic to me looking at it now, but I feel good about it knowing It is my first ever website starting from zero knowledge of HTML CSS and JS.

Main challenge I faced during this attempt was making it responsive on mobile phones and other devices. On the css there were times when I changed the attributes but it still looked the same. I fought with my AI a lot to make them work. But gradually I started understanding CSS better and could start to make manual changes.

There were multiple times when I was stuck in a spot where AI is not understanding the problem and giving me useless responses which are not working at all. My conversation log 4 and 5 are about one of those incidents. These were the times when I couldn't understand the problem by reading and asking the meanings of the code as well. My 1st approach to the problem solving was removing JS to see if the design worked (where the button could do basic functions without js). I didn't have much difficulty finding errors in HTML or CSS.

Lessons learned about working with AI for development.

At 1st my biggest mistake was as I was very new to coding I was highly dependent on AI. For example AI would give me a HTML code for the footer section and I wouldn't know where to put it. I would ask it to generate the whole HTML just to place the footer code or adjustment. Due to

this habit multiple times I spent hours on a very simple issue which AI failed to understand. AI would keep on generating code after code and I would just respond "Its not working". I slowly started to learn how to read my codes, how to find sections to work on and progress became much faster. As I could understand the codes now AI started to become just a good search tool. So the main lesson learnt from this for me is, AI is not as smart as I thought. I see it in a very different perspective now, and AI taking over humans seems a future too far.

Non-compliant issues

Yes. In this project the main issue I faced was smooth scrolling. I tried using the basic CSS code
html {
  scroll-behavior: smooth;
}
But I did not see any difference. Then I tried js to enable smooth scrolling.

```
if (targetSection) {
        // Scroll to the target section smoothly
        targetSection.scrollIntoView({
          behavior: 'smooth',
          block: 'start' // Aligns the target section at the top
        });
```

But it still remain same. Removing and adding the code made no difference. This is one point where I failed.

Another non compliant issue was the Hamburger menu. I was stuck with this for a few hours. Main issue was in a mobile view the hamburger menu was working but it was not showing. Once clicked on the designated area of the menu the nav bar would show up, but the css to show that hamburger icon did not work at all. I ended up deleting the whole css js and remaking that for the research and Project pages.

- Optional: Code review document for bonus consideration.