



## Final Project: Student Professional Portfolio Website

Shalitha Dehigaspitiyage  
AH2546

Final project report

Basics of Web Development TT00CD79-3008, Kari Niemi

02.12.2025

Information and Communications Technology

Live URL: [https://student.labranet.jamk.fi/~ah2546/web\\_development/final\\_version/index.html](https://student.labranet.jamk.fi/~ah2546/web_development/final_version/index.html)

## Contents

<b>1</b>	<b>Project Synopsis.....</b>	<b>2</b>
1.1	Overview & Design Philosophy .....	2
1.2	Target Audience .....	2
1.3	Technical Compatibility .....	2
<b>2</b>	<b>Features &amp; Implementation .....</b>	<b>3</b>
2.1	Sticky Navigation Bar.....	3
2.2	Dynamic "Back to Top" Button.....	3
2.3	Direct Email Integration: .....	3
<b>3</b>	<b>Information Architecture .....</b>	<b>3</b>
<b>4</b>	<b>Design &amp; Wireframes .....</b>	<b>4</b>
4.1	Desktop Layout.....	4
4.2	Mobile Layout.....	5
<b>5</b>	<b>Conclusion &amp; Self-Reflection .....</b>	<b>5</b>
<b>Appendices .....</b>		<b>6</b>
	Appendix 1. Desktop design layout .....	6
	Appendix 2. Mobile design layout.....	8

## Figures

Figure 1: Website Architecture .....	4
--------------------------------------	---

# 1 Project Synopsis

## 1.1 Overview & Design Philosophy

This website serves as the comprehensive final capstone for the Web Development curriculum, designed to function as a professional student portfolio. The site employs a modern, minimalist design language, deliberately prioritizing content structure and legibility over decorative aesthetics. This "content-first" approach ensures that the user's focus remains strictly on professional achievements, skills, and educational background, rather than distracting visual elements.

## 1.2 Target Audience

The primary user experience (UX) is optimized for personnel managers, HR professionals, and recruiters. While the interface incorporates fully responsive design principles for mobile compatibility, the layout is specifically tuned for desktop and laptop environments where recruiters typically operate.

## 1.3 Technical Compatibility

The codebase ensures cross-browser stability and rendering consistency. It has been rigorously tested on major platforms including:

- Mozilla Firefox
- Google Chrome
- Microsoft Edge

## 2 Features & Implementation

To ensure a seamless browsing experience, several Quality of Life (QoL) features were implemented using vanilla JavaScript and CSS:

### 2.1 Sticky Navigation Bar

Provides users with persistent access to the site architecture without needing to scroll back up.

### 2.2 Dynamic "Back to Top" Button

Facilitates efficient navigation on long-form pages.

### 2.3 Direct Email Integration:

The Contact section features a pre-configured mailto interface. This allows the user to draft their message on the site and instigate their native email client with a single click, ensuring a hassle-free connection process

## 3 Information Architecture

The website utilizes a flat hierarchy structure. Global sticky navigation acts as the central hub, allowing users to jump laterally between any of the four distinct pages (Home, Portfolio, Hobbies, Contact) without retracing their steps.

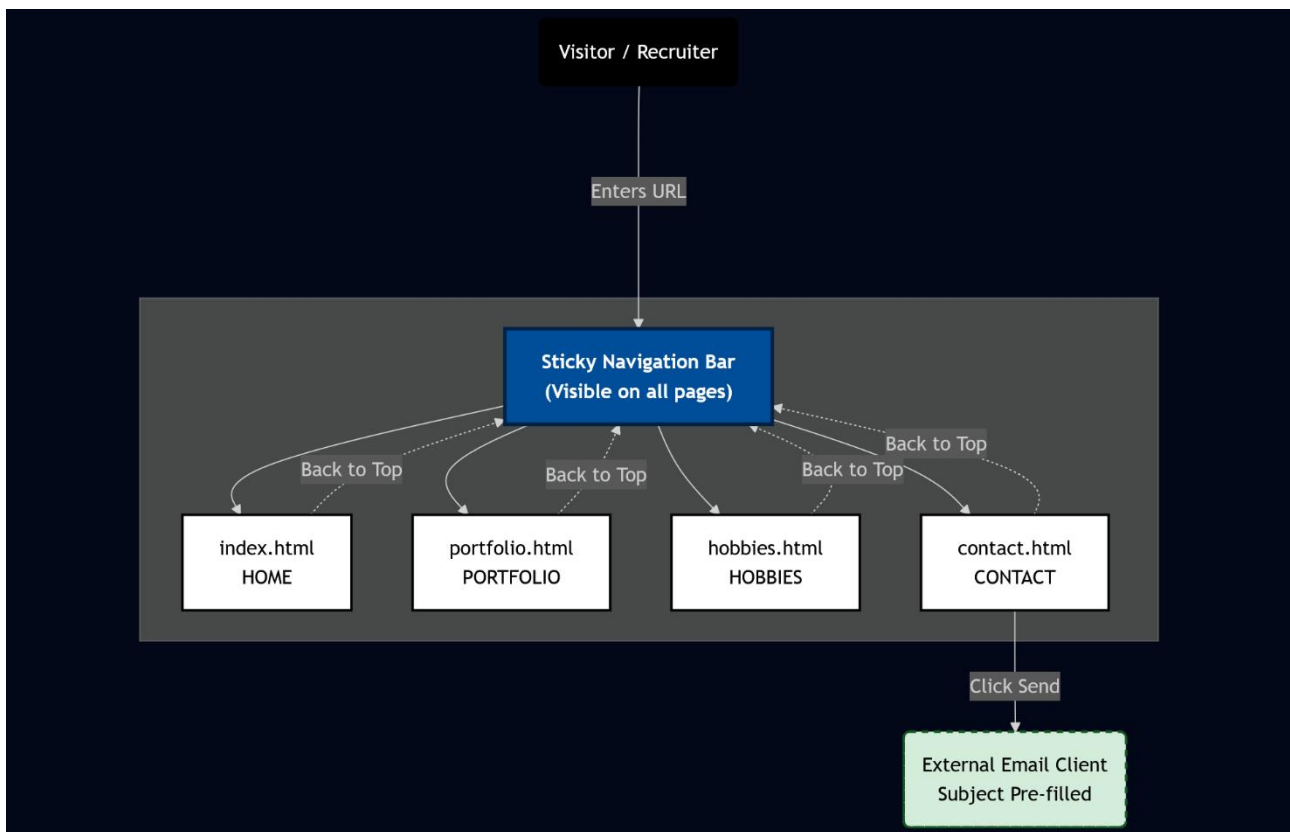


Figure 1: Website Architecture

## 4 Design & Wireframes

The design follows a "Content-First" approach. The layout is kept clean with ample whitespace to improve readability for recruiters scanning the document.

### 4.1 Desktop Layout

The desktop view utilizes a grid-based layout to showcase projects side-by-side, maximizing screen real estate.

See Appendix 1

## 4.2 Mobile Layout

The mobile view stacks content vertically using CSS Media Queries, ensuring text remains legible and touch targets (buttons/links) are easily accessible on smaller screens.

See Appendix 2

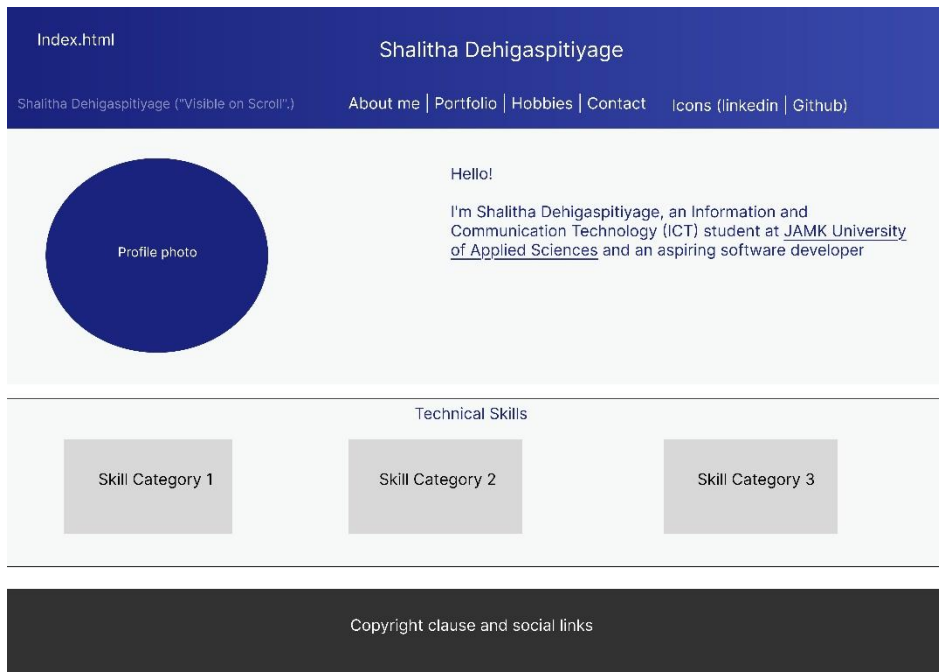
## 5. Conclusion & Self-Reflection

This project successfully meets the criteria of a modern, responsive web application. By focusing on a minimalist aesthetic, the site achieves high performance scores and fast load times. The integration of JavaScript enhances the user experience without over-complicating the codebase.

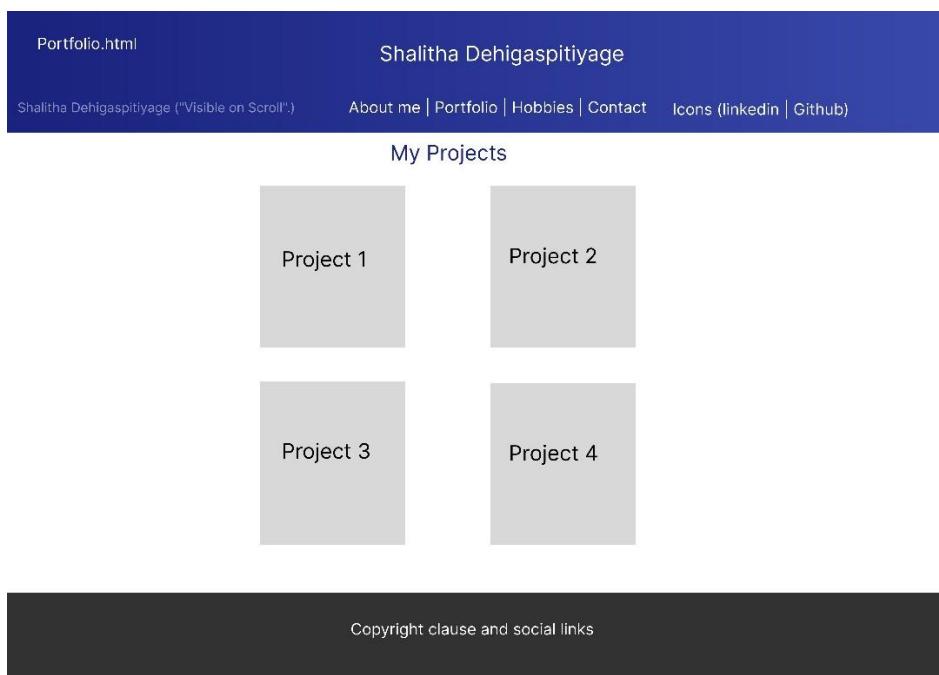
Future improvements could include a dark-mode toggle or a backend database for the contact form, but in its current state, the site fulfils its primary goal: presenting professional credentials in a clear, accessible format.

# Appendices

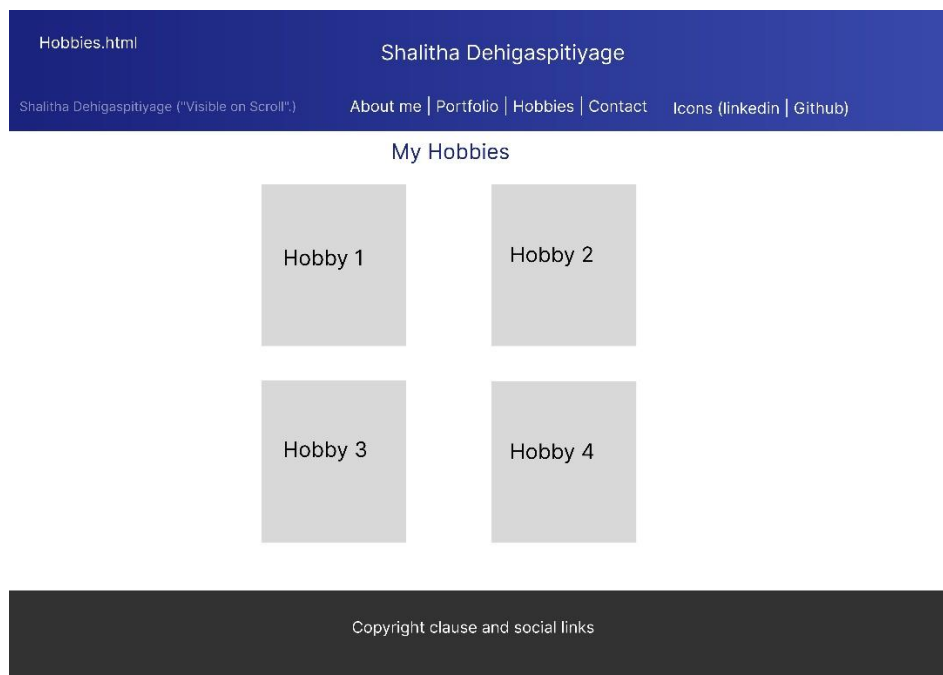
## Appendix 1. Desktop design layout



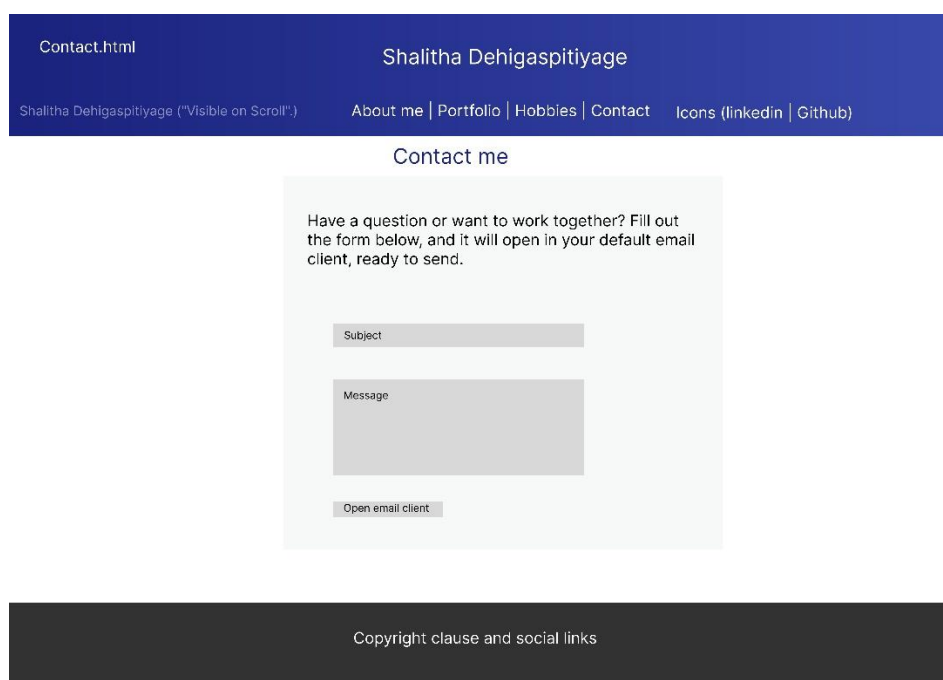
### Page 1: Index.html



### Page 2: Portfolio.html



Page 3: Hobbies.html



Page 4: Contact.html



## Appendix 2. Mobile design layout



Page 1: Index.html

Page 2: Portfolio.html

Page 3: Hobbies.html

Page 4: Contact.html