ALPHA COLLEGE OF ENGINEERING
THIRUMAZHISAI, CHENNAI
(TUV Certified, Approved by AICTE and Affiliated to Anna University)
(A Christian Minority Institution)

WEB DEVELOPMENT INTERNSHIP

SUBMITTED BY

K.Hariharasudhan (210121104016)
K.Helan (210121104018)

In partial fulfillment of the award of degree

of

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE AND ENGINEERING

ALPHA COLLEGE OF ENGINEERING

(A Christian Minority Institution)

THIRUMAZHISAI, CHENNAI - 600 124

ANNA UNIVERSITY, CHENNAI - 600 025

AUGUST:2024

ACKNOWLEDGEMENT

I would like to express my sincere appreciation to the individuals and organizations whose invaluable contributions greatly influenced my web development internship at Dreamcode, Chennai.

I would like to express my deepest gratitude to our esteemed Principal, Dr. B. Sowmya, for graciously granting me the opportunity to undertake this valuable internship. Her unwavering support and commitment to fostering professional growth have been instrumental in shaping this rewarding experience.

I am profoundly grateful to my Head of Department, Dr. T. Jerry Alexander, for his consistent guidance and support during my internship. His leadership and insights have significantly contributed to my professional growth and learning experience.

I am deeply appreciative of my supervisor, Mrs. Tincy Raichel Thomas, for her exceptional support and guidance throughout my internship. Her insightful feedback and encouragement have been pivotal in my growth and success during this period.

I am sincerely grateful for the valuable insights and practical skills I have acquired during this internship. This experience has been crucial in equipping me with the knowledge and expertise necessary for future endeavors in the field of Web Development. The hands-on experience gained has significantly contributed to my preparedness for upcoming professional challenges.

Thank you for the support and the platform to apply and enhance my skills.

Register number	2	1	0	1	2	1	1	0	4	0	1	6
Register number	2	1	0	1	2	1	1	0	4	0	1	8

BONAFIDE CERTIFICATE

This is to certify that this is a bonafide record of the work done by **Mr Hariharasudhan.K, Ms.Helan.K** of
IV Year/VII Semester of **B.E- COMPUTER SCIENCE AND ENGINEERING** in
CS3711 SUMMER INTERNSHIP during the Academic year 2024 – 2025 in
Web Development by **Dreamcode, Chennai**.

SIGNATURE   **SIGNATURE**

Dr. T. JERRY ALEXANDER M.E,(Ph.D)   Mrs. Tincy Raichel Thomas B.E.,M.E.

HEAD OF DEPARTMENT   SUPERVISOR
DEPARTMENT OF COMPUTER SCIENCE   DEPARTMENT OF COMPUTER
SCIENCE AND ENGINEERING   AND ENGINEERING
ALPHA COLLEGE OF ENGINEERING,   ALPHA COLLEGE OF ENGINEERING,
THIRUMAZHISAI,   THIRUMAZHISAI,
CHENNAI - 600 124   CHENNAI - 600 124

DREAM CODE

4thFloor,No.1,AABlock,1stStreet,3rdMain
road, Annanagar,Chennai 600040
.Phone no:044-48557444

TO WHOM IT MAY CONCERN

This is to certify that **Mr.HARIHARASUDHAN.K**
Reg No: **210121104016** student of **B.E (Computer Science)** of **Alpha College of Engineering** has successfully carried the **"INTERNSHIP"** at our **DREAM CODE** in a **"WEB DEVELOPMENT"** from **10.07.2024 to 10.08.2024** under the guidance of **Ms.ABHINAYA.CS**

During the period of her internship program with us she had been exposed to different process was found punctual, hardworking and inquisitive.

REGARDS

DREAM CODE

TO WHOM IT MAY CONCERN

This is to certify that **Ms.HELAN.K**

Reg No: **210121104018**   student of **B.E (Computer Science)** of **Alpha College of Engineering** has successfully carried the **"INTERNSHIP"** at our **DREAM CODE** in a **"WEB DEVELOPMENT"** from **10.07.2024 to 10.08.2024** under the guidance of **Ms.ABHINAYA.CS**

During the period of her internship program with us she had been exposed to different process was found punctual, hardworking and inquisitive.

REGARDS

DREAM CODE

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01. ABSTRACT

This report presents an overview of the web development internship undertaken at DreamCode, Chennai, which was conducted from 10th July 2024 to 10th August 2024. The primary objective of this internship was to gain hands-on experience in the field of web development and to apply theoretical knowledge in a practical setting.

During the internship, I was involved in various aspects of web development, including front-end and back-end development. Key tasks included designing and implementing user interfaces using HTML, CSS, and JavaScript, as well as developing server-side functionalities.

The internship provided valuable insights into the full web development lifecycle, from initial planning and design to deployment and maintenance. I collaborated with a team of experienced developers, which enhanced my understanding of industry best practices and agile development methodologies.

The practical skills acquired during this internship have been instrumental in preparing me for future roles in the web development field. This experience has not only solidified my technical abilities but also improved my problem-solving skills and professional acumen.

Overall, the internship at Dreamcode, Chennai has been a significant step in my career development, offering a comprehensive introduction to the web development industry and laying a strong foundation for future endeavors.

02. INTRODUCTION

1. **BACKGROUND OF WEB DEVELOPMENT:**

   Web development encompasses a broad range of activities related to building, designing, and maintaining websites and web applications. It combines both technical and creative elements to deliver functional and aesthetically pleasing digital solutions. The field of web development has evolved significantly over the years, driven by advancements in technology and changing user expectations.

2. **OBJECTIVES OF THIS PROJECT:**

   The primary objective of this project was to design and develop a fully responsive portfolio website that effectively showcases the student's academic achievements, technical skills, and personal projects. The website was intended to function as a comprehensive digital resume, supporting the student's efforts to secure internships, job placements, and further academic opportunities. The website needed to be

   professional, easy to navigate, and adaptable to various devices and screen sizes, ensuring a consistent user experience.

Specific objectives included:

- **Brand Representation:** Create a personal brand through a cohesive and professional web presence.

- **Content Showcase:** Highlight academic projects, coding skills, and extracurricular activities.

- **User Experience:** Ensure a seamless and intuitive user experience across all devices.

- **Accessibility:** Implement accessibility standards to make the website usable by a diverse audience, including those with disabilities.

3. SCOPE OF THIS PROJECT:

The project was structured into several key phases:

- **Requirement Analysis:** Conducted initial research to identify the essential elements of a professional portfolio website, taking into account the needs of both users (potential employers, collaborators) and the student.

- **Design:** Developed wireframes and prototypes to visualize the layout and user interface, focusing on creating a clean, modern design that reflects the student's brand.

- **Development:** Translated the design into code using HTML, CSS, and JavaScript, ensuring the website is responsive, interactive, and well-structured.

- **Testing:** Conducted thorough testing to identify and fix any issues related to responsiveness, browser compatibility, and performance.

- **Deployment:** Deployed the website on a live server, ensuring it is accessible via a custom domain and optimized for search engines.

4. SIGNIFICANCE OF THIS PROJECT:

The development of a responsive portfolio website holds substantial significance for the student, both in terms of personal and professional growth. This project serves as a crucial step in the student's career development, offering a dynamic platform to showcase their skills, experiences, and accomplishments in a manner that is accessible, modern, and aligned with industry standards.

1. **Professional Branding:** The project plays a vital role in establishing the student's professional identity. In today's digital age, a personal website is a powerful tool for branding. The portfolio not only reflects the student's technical abilities but also communicates their dedication, creativity, and attention to detail. By creating a cohesive and visually appealing online presence, the student can differentiate themselves in a competitive job market.

2.   **Demonstration of Technical Skills:** Through the development of this website, the student has demonstrated their proficiency in key web development technologies such as HTML, CSS, and JavaScript. The project required the student to apply their knowledge in a practical setting, showcasing their ability to build responsive, user- friendly, and interactive websites. This tangible demonstration of skills is invaluable when pursuing internships, job placements, or further academic opportunities.

3.   **Enhancement of User Experience and Accessibility:** A significant aspect of the project was ensuring that the website is user-friendly and accessible to a diverse audience. By adhering to web accessibility standards and implementing responsive design techniques, the student has created a website that can be easily navigated and utilized by all users, including those with disabilities. This focus on accessibility not only broadens the reach of the portfolio but also reflects the student's commitment to inclusive design.

4.   **Improved Visibility and Networking Opportunities:** The portfolio website enhances the student's visibility in the professional world. By optimizing the website for search engines (SEO) and deploying it on a custom domain, the student has made their work more discoverable to potential employers, collaborators, and peers. This increased visibility can lead to networking opportunities, collaborations, and invitations to participate in projects or events.

5.   **Preparation for Future Projects:** The experience gained through this project prepares the student for more complex web development projects in the future. The challenges encountered and solutions implemented during the development process have equipped the student with problem-solving skills and a deeper understanding of front-end development. This project lays a strong foundation for the student's future endeavors in web design and development.

6.   **Portfolio as a Living Document:** The responsive portfolio website is not a static entity; it is a living document that can be continuously updated and expanded as the student progresses in their career. The website can grow to include new projects, skills, certifications, and experiences, ensuring that it remains relevant and reflective of the student's evolving professional journey.

03. COMPANY BACKGROUND

Dreamcode Technologies Private Limited is a technology solutions provider specializing in a website development, IT consulting, and training services. Established with a vision to drive technological innovation, the company has built a reputation for delivering cutting-edge solutions across various sectors, including finance, healthcare, and e-commerce.

Headquartered in Chennai, India, Dreamcode Technologies leverages a team of highly

skilled professionals to develop and implement robust, scalable, and tailored

technology solutions. The company's expertise encompasses a wide range of services, including custom website development, web and mobile application development, data analytics, and artificial intelligence.

Dreamcode Technologies is committed to excellence and innovation, employing state-of-the-art technologies and methodologies to meet the evolving needs of its clients. With a focus on research and development, the company continuously explores new technological frontiers to provide future-proof solutions that drive business growth and efficiency.

The company's dedication to quality, customer satisfaction, and technological advancement positions it as a trusted partner for organizations seeking to harness the power of technology for strategic advantage.

04 INTERNSHIP ROLES AND RESPONSIBILITIES

Assisting with Web Design and Development:

● Front-End Development: Contribute to the creation and enhancement of user interfaces using HTML, CSS, and JavaScript. Assist in designing responsive and visually appealing web pages.

Collaborating with the Development Team:

● Team Meetings: Participate in team meetings and discussions to understand project requirements, provide updates, and collaborate on solutions.
● Code Reviews: Engage in code reviews and contribute feedback to ensure code quality and adherence to best practices.

Testing and Debugging:

● Quality Assurance: Assist in testing web applications for functionality, usability, and compatibility across different browsers and devices. Identify and report bugs or issues.
● Debugging: Work on debugging issues reported during testing or by users, applying fixes and ensuring proper functionality.

Learning and Applying New Technologies:

● Skill Development: Stay updated with the latest web development technologies, tools, and trends. Apply new knowledge to improve current projects and workflows.
● Training: Attend training sessions or workshops provided by the company to

enhance technical skills and understanding of development practices.

Documentation and Reporting:

- Technical Documentation: Help in creating and maintaining documentation for code, processes, and technical specifications to ensure clarity and consistency.
- Progress Reports: Provide regular updates on assigned tasks and projects, documenting progress and any challenges encountered.

Contributing to Project Development:

- Feature Implementation: Assist in the development and implementation of new features or functionalities as per project requirements and specifications.
- Code Maintenance: Contribute to the maintenance and enhancement of existing codebases, ensuring continued functionality and performance improvements.

Support and Troubleshooting:

- User Support: Assist in resolving user issues or queries related to web applications and provide support as needed.
- System Monitoring: Help in monitoring the performance of web applications and servers, identifying and addressing any issues that arise.

Collaboration on Research and Innovation:

- Innovation Projects: Participate in research and innovation initiatives to explore new technologies or methodologies that can be applied to ongoing or future projects.
- Idea Generation: Contribute ideas and suggestions for improving web applications or development processes based on observations and research.

05. LEARNING OUTCOMES

Technical Skill Enhancement:

- Front-End Development: Gain hands-on experience in building and styling web pages using HTML, CSS, and JavaScript, with a deep understanding of responsive design and cross-browser compatibility.

Understanding of the Web Development Lifecycle:

- Project Planning and Execution: Learn how to plan, develop, test, and deploy web applications, understanding each phase of the web development lifecycle.
- Version Control: Acquire skills in using version control systems like Git to manage and collaborate on code, track changes, and resolve conflicts.

Problem-Solving and Debugging:

- Debugging Techniques: Improve the ability to identify, troubleshoot, and resolve coding issues and bugs, enhancing problem-solving skills in a real-world

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development environment.
- Testing Practices: Understand the importance of testing, and learn how to conduct various types of testing (e.g., unit, integration, user acceptance) to ensure web application reliability.

Collaboration and Communication:

- Team Collaboration: Experience working as part of a development team, collaborating with designers, developers, and other stakeholders to achieve project goals.
- Communication Skills: Develop the ability to effectively communicate technical concepts, ideas, and progress to both technical and non-technical team members.

Time Management and Productivity:

- Task Prioritization: Learn how to manage time effectively by prioritizing tasks, meeting deadlines, and balancing multiple project demands in a professional setting.
- Productivity Tools: Gain familiarity with productivity and project management tools commonly used in web development, such as JIRA, Trello, or Asana.

Exposure to Industry Best Practices:

- Coding Standards: Understand and apply industry best practices in coding, including clean code principles, code commenting, and documentation.
- Security Awareness: Learn about common security practices in web development, such as data encryption, secure authentication, and protecting against vulnerabilities like SQL injection and cross-site scripting (XSS).

Adaptation to New Technologies:

- Continuous Learning: Develop the ability to quickly learn and adapt to new tools, frameworks, and technologies, staying up-to-date with emerging trends in web development.
- Innovation and Creativity: Foster creativity in solving development challenges and implementing new features, contributing innovative ideas to the development process.

Professional Development:

- Career Readiness: Gain valuable industry experience and a portfolio of work that enhances readiness for future roles in web development or related fields.
- Networking Opportunities: Build professional relationships with

mentors, peers, and industry professionals, expanding your network within the tech community.

06. LITERATURE REVIEW

In developing a responsive portfolio website, several key concepts, frameworks, and technologies from the literature of web development and design were referenced. The following review highlights the foundational elements that informed the project:

1 Responsive Web Design (RWD)

Responsive Web Design (RWD) is a critical approach in modern web development that ensures websites provide an optimal viewing experience across a wide range of devices. Ethan Marcotte's seminal work on RWD laid the groundwork for the techniques used in this project, particularly the use of fluid grids, flexible images, and media queries . The application of these principles allowed the portfolio to adapt seamlessly to different screen sizes, ensuring usability on both mobile and desktop devices.

2 User Experience (UX) and User Interface (UI) Design

The project leveraged established principles in UX and UI design to create an intuitive and engaging user experience. Literature on UX design emphasizes the importance of usability, accessibility, and aesthetics in web design. Steve Krug's "Don't Make Me Think" provided valuable insights into designing a user-friendly interface that aligns with users' natural behavior. Additionally, Nielsen and Molich's usability heuristics were considered to ensure the website was both easy to navigate and aesthetically pleasing.

3 Front-End Development Technologies

The choice of HTML, CSS, and JavaScript for front-end development was informed by their widespread adoption and versatility in web design. HTML5 and CSS3 are well-documented in the literature for their roles in creating structured and visually appealing web pages. Resources such as "HTML & CSS: Design and Build Websites" by Jon Duckett provided guidance on best practices for structuring content and styling web pages . JavaScript, as discussed in "Eloquent JavaScript" by Marijn Haverbeke, was crucial for adding interactivity and enhancing user engagement through features like smooth scrolling and form validation .

4 Accessibility in Web Design

Web accessibility is an essential aspect of modern web development, ensuring that websites are usable by people with disabilities. The project drew on guidelines from the Web Content Accessibility Guidelines (WCAG) 2.1, which emphasize the importance of creating accessible content through the use of **Accessible Rich Internet Applications** (ARIA) roles, alt attributes for images, and keyboard navigation . This focus on accessibility aligns with broader trends in inclusive design, as discussed in literature by authors like Sarah Horton and Whitney Quesenbery in "A Web for Everyone."

07. CODE EXPLANATION

1. HTML Code Explanation:

This HTML code represents a personal portfolio website. It is structured with different sections, each encapsulating specific content or functionality. Here's a breakdown of the key elements:

Head Section:

- **Metadata:** The head includes meta tags for character set, compatibility, and viewport settings, ensuring the page is responsive and accessible.

- **Title:** The title of the page is set to "Personal Portfolio."

- **Links:** The head section includes links to a favicon, custom CSS (style.css), and Google Fonts for styling.

Body Section:

The body contains the main content of the portfolio, organized as follows:

1. Sidebar (User Info & Contacts):

- **User Info:** Displays an avatar, the user's name ("Ramanathan J"), and title ("Web Developer").

- **Contact Info:** Includes email, phone, birthday, and location. These are displayed when the "Show Contacts" button is clicked.

- **Social Links:** Links to Facebook, Twitter, and Instagram profiles.

2. Main Content:

This section includes multiple articles representing different parts of the portfolio.

- **Navbar:** A navigation bar that allows switching between different sections like About, Resume, Portfolio, and Contact.

- **About Section:**

    - **Introduction:** Provides a brief introduction of Ramanathan, including his educational background and interests in web development.

    - **What I'm Doing:** Lists the services offered, including web design, web development, video editing, and photography, each with a short description.

- **Resume Section:**

    - **Education Timeline:** Outlines educational background, including

Bachelor's degree, Higher Secondary Schooling, and Secondary Schooling.

- o **Experience Timeline:** Highlights work experience, particularly an internship in Web Development.

- **Skills:** A list of skills with progress bars showing proficiency in areas like Web Development, Database Management, Data Science, and Artificial Intelligence.

- **Portfolio Section:**

  - **Project Showcase:** Displays projects with categories like Web Design and Web Development. Each project includes a title, description, and an image thumbnail.

2.CSS Code Explanation:

1. Custom Properties (CSS Variables)

- **Color Variables:**

  - **Gradients:** These are complex color transitions used for backgrounds, borders, and text to create a smooth visual effect.

  - **Solid Colors:** Predefined HSL (Hue, Saturation, Lightness) values for different colors, providing a consistent color scheme throughout the site.

- **Typography Variables:**

  - **Font Family:** Specifies the main font used in the website ('timesnewroman', sans-serif).

  - **Font Sizes:** Predefined font sizes, ranging from large headings (--fs-1) to smaller text (--fs-8).

  - **Font Weights:** Defines the thickness of the font, from light (--fw-300) to bold (--fw-600).

- **Shadows:** Various shadow effects (--shadow-1 to --shadow-5) for depth and emphasis on elements like cards and buttons.

- **Transitions:** Predefined easing effects (--transition-1, --transition-2) for smooth animations.

2. Global Resets

- Resets margins, padding, and box-sizing for all elements to ensure consistent styling across browsers.

- Removes default styles from anchors, list items, buttons, and form elements, giving full control over their appearance.

- Customizes the text selection color and focus outline, aligning them with the theme's color scheme.

3. Reused Styles

- **Containers:** Styles for common containers like sidebars and articles. These include background colors, borders, padding, and shadows.

- **Icons:** icon-box style creates a consistent look for icon elements, with gradients and shadows.

- **Text Styling:** Headings (.h2, .h3, .h4, .h5) are styled with different sizes and colors.

- **Scrollbar Styling:** Customizes the appearance of scrollbars when applicable.

- **Content Cards:** These are interactive elements, styled with shadows, padding, and gradients for a card-like appearance.

4. Main Section

- Provides basic styling for the main content area, including margins and minimum width.

5. Sidebar

- **Sidebar Layout:** Handles the layout of the sidebar, including its height, padding, and overflow behavior.

- **Profile Info:** Styles for avatar and user information displayed in the sidebar.

- **Expand/Collapse Button:** Provides interaction effects for expanding and collapsing the sidebar.

- **Contacts and Social Links:** Aligns and styles contact information and social media icons.

6. Navbar

- **Fixed Positioning:** The navbar is positioned at the bottom of the viewport and remains fixed as users scroll.

- **Background and Border:** Uses a semi-transparent background with blur effects and rounded borders.

- **Navbar Links:** Styles for the links in the navbar, including hover and active states.

7. About Section

- **Text Styling:** Styles the text within the about section, with a focus on readability and spacing.

8. What I'm Doing Section

- **What I'm Doing Items:** Each service is represented as a card, with consistent styling for icons, text, and hover effects.

- **Grid Layout:** The services are displayed in a grid layout for easy navigation.

9. Modal

- **Container:** A modal container that overlays the main content, with styling for visibility and transitions.

- **Content:** Modal content includes avatars, titles, and descriptive text.

10. Resume Section

- **Timeline:** A vertical timeline for displaying education and experience, with aligned titles and descriptions.

08.CODE

1. index.html:

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

<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>"OUR NAME" - Creative Designer Based In UK</title>

  <!--
    - favicon
  -->



  <!--
    - custom css link
  -->
  <link rel="stylesheet" href="./assets/css/style.css">

  <!--
    - google font link
  -->
  <link rel="preconnect" href="https://fonts.googleapis.com">
  <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
  <link
href="https://fonts.googleapis.com/css2?family=Mulish&family=Poppins:wght
```

```html
@400;500;600;700;800&display=swap"
    rel="stylesheet">

  <!--
    - preload images
  -->
  <link rel="preload" as="image" href="./assets/images/hero-banner.jpg">

</head>

<body>

  <!--
    - #HEADER
  -->

  <header class="header" data-header>
    <div class="container">

      <a href="#" class="logo">"OUR NAME"</a>

      <nav class="navbar" data-navbar>
        <ul class="navbar-list">

          <li>
            <a href="#home" class="navbar-link" data-nav-link>Home</a>
          </li>

          <li>
            <a href="#portfolio" class="navbar-link"
data-nav-link>Portfolio</a>
          </li>

          <li>
            <a href="#skills" class="navbar-link"
data-nav-link>Skills</a>
          </li>

          <li>
            <a href="#timeline" class="navbar-link"
```

```html
data-nav-link>Timeline</a>
          </li>


          <li>
            <a href="#price" class="navbar-link" data-nav-link>Price</a>
          </li>


          <li>
            <a href="#news" class="navbar-link" data-nav-link>News</a>
          </li>


          <li>
            <a href="#contact" class="navbar-link"
data-nav-link>Contact</a>
          </li>

        </ul>
      </nav>


      <button class="nav-toggle-btn" aria-label="toggle menu"
data-nav-toggler>
        <span class="line line-1"></span>
        <span class="line line-2"></span>
        <span class="line line-3"></span>
      </button>

    </div>
  </header>




  <main>
    <article>

      <!--
        - #HERO
      -->
```

```html
<section class="section hero" id="home" aria-label="hero">
  <div class="container">

    <figure class="hero-banner img-holder has-before"
style="--width: 640; --height: 840;">
      <img src="" width="640" height="840" alt="our name"
class="img-cover">
    </figure>

    <div class="hero-content">

      <p class="section-subtitle">"OUR NAME"</p>

      <h1 class="h1 hero-title">Creative Designer Based In UK</h1>

      <ul class="hero-list">

        <li>
          <a href="#" class="list-link">
            <span class="span">Web Development</span>

            <ion-icon name="arrow-forward-outline"
aria-hidden="true"></ion-icon>
          </a>
        </li>

        <li>
          <a href="#" class="list-link">
            <span class="span">Digital Marketing</span>

            <ion-icon name="arrow-forward-outline"
aria-hidden="true"></ion-icon>
          </a>
        </li>

        <li>
          <a href="#" class="list-link">
            <span class="span">Graphic Design</span>

            <ion-icon name="arrow-forward-outline"
```

```html
aria-hidden="true"></ion-icon>
                    </a>
                  </li>

              </ul>

              <ul class="exp-list">

                <li class="list-item">
                  <strong class="strong">10+</strong>

                  <span class="span">
                    Years of<br>
                    Experience
                  </span>
                </li>

                <li class="list-item">
                  <strong class="strong">3K+</strong>

                  <span class="span">
                    Happy<br>
                    Customers
                  </span>
                </li>

              </ul>

              <a href="#portfolio" class="slide-down-btn"
aria-label="scroll down">
                <ion-icon name="arrow-down" aria-hidden="true"></ion-icon>
              </a>

          </div>

        </div>
      </section>
```

```html
      <!--
        - #PORTFOLIO
      -->

      <section class="section portfolio" id="portfolio"
aria-label="portfolio">
        <div class="container">

          <p class="section-subtitle">Portfolio</p>

          <h2 class="h2 section-title">Selected Works</h2>

          <ul class="has-scrollbar">

            <li class="scrollbar-item">
              <div class="card">

                <figure class="card-banner img-holder" style="--width:
600; --height: 675;">
                  <img src="./assets/images/portfolio-1.jpg" width="600"
height="675" loading="lazy" alt="Magic Art"
                    class="img-cover">
                </figure>

                <a href="#" class="card-content">

                  <ion-icon name="arrow-forward-outline"
aria-hidden="true"></ion-icon>

                  <h3 class="h3 card-title">Magic Art</h3>

                  <p class="card-text">Vimeo</p>

                </a>

              </div>
            </li>
```

```html
            <li class="scrollbar-item">
              <div class="card">

                <figure class="card-banner img-holder" style="--width:
600; --height: 675;">
                  <img src="./assets/images/portfolio-2.jpg" width="600"
height="675" loading="lazy" alt="Bona Green"
                    class="img-cover">
                </figure>

                <a href="#" class="card-content">

                  <ion-icon name="arrow-forward-outline"
aria-hidden="true"></ion-icon>

                  <h3 class="h3 card-title">Bona Green</h3>

                  <p class="card-text">Youtube</p>

                </a>

              </div>
            </li>

            <li class="scrollbar-item">
              <div class="card">

                <figure class="card-banner img-holder" style="--width:
600; --height: 675;">
                  <img src="./assets/images/portfolio-3.jpg" width="600"
height="675" loading="lazy" alt="Leo Dandora"
                    class="img-cover">
                </figure>

                <a href="#" class="card-content">

                  <ion-icon name="arrow-forward-outline"
aria-hidden="true"></ion-icon>

                  <h3 class="h3 card-title">Leo Dandora</h3>
```

```html
                    <p class="card-text">Soundcloud</p>

                  </a>

                </div>
              </li>

              <li class="scrollbar-item">
                <div class="card">

                  <figure class="card-banner img-holder" style="--width:
600; --height: 675;">
                    <img src="./assets/images/portfolio-4.jpg" width="600"
height="675" loading="lazy" alt="Folio Grasia"
                      class="img-cover">
                  </figure>

                  <a href="#" class="card-content">

                    <ion-icon name="arrow-forward-outline"
aria-hidden="true"></ion-icon>

                    <h3 class="h3 card-title">Folio Grasia</h3>

                    <p class="card-text">Detail</p>

                  </a>

                </div>
              </li>

              <li class="scrollbar-item">
                <div class="card">

                  <figure class="card-banner img-holder" style="--width:
600; --height: 675;">
                    <img src="./assets/images/portfolio-5.jpg" width="600"
height="675" loading="lazy" alt="Viva Mercury"
                      class="img-cover">
```

```html
                    </figure>

                    <a href="#" class="card-content">

                      <ion-icon name="arrow-forward-outline"
aria-hidden="true"></ion-icon>

                      <h3 class="h3 card-title">Viva Mercury</h3>

                      <p class="card-text">Image</p>

                    </a>

                  </div>
                </li>

                <li class="scrollbar-item">
                  <div class="card">

                    <figure class="card-banner img-holder" style="--width:
600; --height: 675;">
                      <img src="./assets/images/portfolio-6.jpg" width="600"
height="675" loading="lazy" alt="Santa Onera"
                        class="img-cover">
                    </figure>

                    <a href="#" class="card-content">

                      <ion-icon name="arrow-forward-outline"
aria-hidden="true"></ion-icon>

                      <h3 class="h3 card-title">Santa Onera</h3>

                      <p class="card-text">Image</p>

                    </a>

                  </div>
                </li>
```

```html
        </ul>

      </div>
    </section>





    <!--
      - #SKILLS
    -->


    <section class="section skills has-before" id="skills"
aria-label="skills"
      style="background-image: url('./assets/images/skills-bg.png')">
      <div class="container">

        <div class="skills-content">

          <p class="section-subtitle">Skills</p>

          <h2 class="h2 section-title">Programming Skills</h2>

          <p class="section-text">
            For more than 20 years our experts have been accomplishing
enough with modern Web Development, new
            generation web and
            app programming language.
          </p>

          <ul class="skills-list">

            <li class="skills-item">
              <div class="wrapper">
                <h3 class="skill-title">HTML & CSS</h3>

                <data class="skill-value" value="95%">95%</data>
              </div>
```

```html
              <div class="progress-box">
                <div class="progress" style="width: 95%"></div>
              </div>
            </li>


            <li class="skills-item">
              <div class="wrapper">
                <h3 class="skill-title">JavaScript</h3>

                <data class="skill-value" value="80%">80%</data>
              </div>

              <div class="progress-box">
                <div class="progress" style="width: 80%"></div>
              </div>
            </li>


            <li class="skills-item">
              <div class="wrapper">
                <h3 class="skill-title">WordPress</h3>

                <data class="skill-value" value="90%">90%</data>
              </div>

              <div class="progress-box">
                <div class="progress" style="width: 90%"></div>
              </div>
            </li>

          </ul>

        </div>

        <div class="skills-banner has-before"></div>

      </div>
    </section>
```

```html
      <!--
        - #TIMELINE
      -->

      <section class="section timeline" id="timeline"
aria-label="timeline">
        <div class="container">

          <p class="section-subtitle">Timeline</p>

          <h2 class="h2 section-title">Working Period</h2>

          <ul class="timeline-list">

            <li class="timeline-item">

              <h3 class="item-period">April, 2019 - Today</h3>

              <p class="item-title">Head Designer & Co-founder</p>

              <p class="item-address">Alan Klein Design, London</p>

            </li>

            <li class="timeline-item">

              <h3 class="item-period">September, 2018 - April, 2019</h3>

              <p class="item-title">Creative Director & Senior
Designer</p>

              <p class="item-address">Raxuna Poc, New York</p>

            </li>

            <li class="timeline-item">

              <h3 class="item-period">October, 2015 - September,
```

```html
2018</h3>

          <p class="item-title">Head Designer</p>

          <p class="item-address">Arimana Co. Ltd, Amsterdam</p>

        </li>

        <li class="timeline-item">

          <h3 class="item-period">July, 2012 - October, 2015</h3>

          <p class="item-title">Senior UX & UI Designer</p>

          <p class="item-address">Baxdoro Design, London</p>

        </li>

        <li class="timeline-item">

          <h3 class="item-period">March, 2010 - July, 2012</h3>

          <p class="item-title">Junior UX Designer</p>

          <p class="item-address">Simono Design Group, London</p>

        </li>

      </ul>

    </div>
  </section>




    <!--
      - #PRICING
    -->
```

```html
<section class="section pricing" id="price" aria-label="price">
  <div class="container">

    <div class="pricing-content">

      <p class="section-subtitle">Pricing</p>

      <h2 class="h2 section-title">Service Prices</h2>

      <p class="section-text">
        For more than 20 years our experts have been accomplishing
enough with modern Web Development, new
        generation web and
        app programming language.
      </p>

    </div>

    <ul class="pricing-list">

      <li>
        <div class="pricing-card">
          <ion-icon name="logo-wordpress"
aria-hidden="true"></ion-icon>

          <h3 class="card-title">WordPress Development</h3>

          <data class="card-price" value="500">$500</data>
        </div>
      </li>

      <li>
        <div class="pricing-card">
          <ion-icon name="logo-html5"
aria-hidden="true"></ion-icon>

          <h3 class="card-title">HTML Development</h3>

          <data class="card-price" value="400">$400</data>
```

```html
          </div>
        </li>

        <li>
          <div class="pricing-card">
            <ion-icon name="reader" aria-hidden="true"></ion-icon>

            <h3 class="card-title">Content Writing</h3>

            <data class="card-price" value="300">$300</data>
          </div>
        </li>

        <li>
          <div class="pricing-card">
            <ion-icon name="qr-code" aria-hidden="true"></ion-icon>

            <h3 class="card-title">Brand Identity</h3>

            <data class="card-price" value="200">$200</data>
          </div>
        </li>

        <li>
          <div class="pricing-card">
            <ion-icon name="image" aria-hidden="true"></ion-icon>

            <h3 class="card-title">PSD Design</h3>

            <data class="card-price" value="100">$100</data>
          </div>
        </li>

      </ul>

    </div>
  </section>
```

```html
    <!--
      - #NEWS
    -->

    <section class="section news" id="news" aria-label="news">
      <div class="container">

        <p class="section-subtitle">News</p>

        <h2 class="h2 section-title">Latest News</h2>

        <ul class="has-scrollbar">

          <li class="scrollbar-item">
            <div class="card news-card">

              <figure class="card-banner img-holder" style="--width:
600; --height: 675;">
                <img src="./assets/images/blog-1.jpg" width="600"
height="675" loading="lazy"
                  alt="VS Code Gets New JavaScript Debugger"
class="img-cover">
              </figure>

              <a href="#" class="card-content">

                <ion-icon name="arrow-forward-outline"
aria-hidden="true"></ion-icon>

                <time class="card-text" datetime="2022-09-02">September
02, 2022</time>

                <h3 class="h3 card-title">VS Code Gets New JavaScript
Debugger</h3>

              </a>

            </div>
```

```html
          </li>

          <li class="scrollbar-item">
            <div class="card news-card">

              <figure class="card-banner img-holder" style="--width:
600; --height: 675;">
                <img src="./assets/images/blog-2.jpg" width="600"
height="675" loading="lazy"
                  alt="Javalin Framework for Kotlin and Java Updated"
class="img-cover">
              </figure>

              <a href="#" class="card-content">

                <ion-icon name="arrow-forward-outline"
aria-hidden="true"></ion-icon>

                <time class="card-text" datetime="2022-08-17">August
17, 2022</time>

                <h3 class="h3 card-title">Javalin Framework for Kotlin
and Java Updated</h3>

              </a>

            </div>
          </li>

          <li class="scrollbar-item">
            <div class="card news-card">

              <figure class="card-banner img-holder" style="--width:
600; --height: 675;">
                <img src="./assets/images/blog-3.jpg" width="600"
height="675" loading="lazy"
                  alt="JavaScript Dominated Open Source in 2022"
class="img-cover">
              </figure>
```

```html
                <a href="#" class="card-content">

                    <ion-icon name="arrow-forward-outline"
aria-hidden="true"></ion-icon>

                    <time class="card-text" datetime="2022-07-05">July 05,
2022</time>

                    <h3 class="h3 card-title">JavaScript Dominated Open
Source in 2022</h3>

                </a>

            </div>
        </li>

        <li class="scrollbar-item">
            <div class="card news-card">

                <figure class="card-banner img-holder" style="--width:
600; --height: 675;">
                    <img src="./assets/images/blog-4.jpg" width="600"
height="675" loading="lazy"
                        alt="Perfecto Tests Progressive Web Apps"
class="img-cover">
                </figure>

                <a href="#" class="card-content">

                    <ion-icon name="arrow-forward-outline"
aria-hidden="true"></ion-icon>

                    <time class="card-text" datetime="2022-04-22">April 22,
2022</time>

                    <h3 class="h3 card-title">Perfecto Tests Progressive
Web Apps</h3>

                </a>
```

```
              </div>
            </li>

          </ul>

        </div>
      </section>




      <!--
        - #CONTACT
      -->


      <section class="section contact" id="contact" aria-label="contact">
        <div class="container">

          <div class="contact-content">

            <p class="section-subtitle">Contact</p>

            <h2 class="h2 section-title">Get In Touch</h2>

            <p class="section-text">
              Please fill out the form on this section to contact with
me. Or call between 9:00 a.m. and 8:00 p.m. ET,
              Monday through
              Friday
            </p>

            <ul class="contact-list">

              <li class="contact-item">
                <ion-icon name="location-outline"
aria-hidden="true"></ion-icon>

                <address class="contact-link">
                  27 City Walls Rd, Clydebank, UK
```

```html
                </address>
            </li>

            <li class="contact-item">
                <ion-icon name="call-outline"
aria-hidden="true"></ion-icon>

                <a href="tel:+07742691291" class="contact-link">+077 4269
1291</a>
            </li>

            <li class="contact-item">
                <ion-icon name="mail-outline"
aria-hidden="true"></ion-icon>

                <a href="mailto:smith@gmail.com"
class="contact-link">smith@gmail.com</a>
            </li>

            <li class="contact-item">
                <ion-icon name="globe-outline"
aria-hidden="true"></ion-icon>

                <a href="www.domain.com"
class="contact-link">www.domain.com</a>
            </li>

        </ul>

    </div>

    <form action="" class="contact-form">

        <input type="text" name="name" aria-label="name"
placeholder="Name" required class="input-field">

        <input type="email" name="email_address" aria-label="email"
placeholder="Email" required
            class="input-field">
```

```html
            <textarea name="message" aria-label="message"
placeholder="Message" required class="input-field"></textarea>

            <button type="submit" class="submit-btn">
              <span class="span">Submit</span>

              <ion-icon name="arrow-forward"
aria-hidden="true"></ion-icon>
            </button>

          </form>

        </div>
      </section>

    </article>
  </main>





  <!--
    - #FOOTER
  -->

  <footer class="footer">
    <div class="container">

      <p class="copyright">
        &copy; 2022. All rights reserved by <a href="#"
class="copyright-link">Hariharasudhan and Helen.</a>
      </p>

      <ul class="social-list">

        <li>
          <a href="#" class="social-link">
            <ion-icon name="logo-facebook"></ion-icon>
          </a>
```

```html
          </li>

          <li>
            <a href="#" class="social-link">
              <ion-icon name="logo-twitter"></ion-icon>
            </a>
          </li>

          <li>
            <a href="#" class="social-link">
              <ion-icon name="logo-instagram"></ion-icon>
            </a>
          </li>

          <li>
            <a href="#" class="social-link">
              <ion-icon name="logo-dribbble"></ion-icon>
            </a>
          </li>

          <li>
            <a href="#" class="social-link">
              <ion-icon name="logo-tiktok"></ion-icon>
            </a>
          </li>

        </ul>

      </div>
</footer>




<!--
  - custom js link
-->
<script src="./assets/js/script.js" defer></script>
```

```
  <!--
    - ionicon link
  -->
  <script type="module"
src="https://unpkg.com/ionicons@5.5.2/dist/ionicons/ionicons.esm.js"></sc
ript>
  <script nomodule
src="https://unpkg.com/ionicons@5.5.2/dist/ionicons/ionicons.js"></script
>


</body>


</html>
```

2. **style.css:**

```css
/*---------------------*\
  #style.css
\*---------------------*/


/*---------------------*\
  #CUSTOM PROPERTY
\*---------------------*/

:root {

  /**
   * colors
   */

  /* gradient */

  --bg-gradient-onyx: linear-gradient( to
   bottom right,
   hsl(237, 87%, 44%) 3%,
   hsl(0, 5%, 8%) 97%
  );
  --bg-gradient-jet: linear-gradient( to
   bottom right,
   hsla(216, 89%, 52%, 0.251) 0%,
   hsla(319, 79%, 29%, 0) 100%
  ), hsl(240, 2%, 13%);
  --bg-gradient-yellow-1: linear-gradient( to
   bottom right,
   hsl(0, 8%, 3%) 0%,
   hsla(73, 67%, 57%, 0) 50%
  );
  --bg-gradient-yellow-2: linear-gradient(
```

```
  135deg,
  hsla(48, 11%, 91%, 0.251) 0%,
  hsla(85, 88%, 48%, 0) 59.86%
), hsl(193, 92%, 42%);
--border-gradient-onyx: linear-gradient( to
  bottom right,
  hsl(185, 98%, 47%) 0%,
  hsla(0, 37%, 93%, 0) 50%
);
--text-gradient-yellow: linear-gradient( to
  right,
  hsl(0, 91%, 48%),
  hsl(35, 48%, 54%)
);

/* solid */

--jet: hsl(203, 96%, 45%);
```

```css
  --onyx: hsl(220, 81%, 62%);
  --eerie-black-1: hsl(251, 93%, 41%);
  --eerie-black-2: hsl(0, 0%, 0%);
  --smoky-black: hsl(201, 95%, 36%);
  --white-1: hsl(0, 0%, 100%);
  --white-2: hsl(0, 0%, 98%);
  --orange-yellow-crayola: hsl(200, 92%, 42%);
  --vegas-gold: hsl(206, 91%, 56%);
  --light-gray: hsl(0, 0%, 84%);
  --light-gray-70: hsla(0, 0%, 84%, 0.7);
  --bittersweet-shimmer: hsl(107, 80%, 61%);

  /**
   * typography
   */

  /* font-family */
  --ff-poppins: 'timesnewroman', sans-serif;

  /* font-size */
  --fs-1: 24px;
  --fs-2: 18px;
  --fs-3: 17px;
  --fs-4: 16px;
  --fs-5: 15px;
  --fs-6: 14px;
  --fs-7: 13px;
  --fs-8: 11px;

  /* font-weight */
  --fw-300: 300;
  --fw-400: 400;
  --fw-500: 500;
  --fw-600: 600;

  /**
   * shadow
   */

  --shadow-1: -4px 8px 24px hsla(0, 0%, 0%, 0.25);
  --shadow-2: 0 16px 30px hsla(0, 0%, 0%, 0.25);
  --shadow-3: 0 16px 40px hsla(0, 0%, 0%, 0.25);
  --shadow-4: 0 25px 50px hsla(0, 0%, 0%, 0.15);
  --shadow-5: 0 24px 80px hsla(0, 0%, 0%, 0.25);

  /**
   * transition
   */

  --transition-1: 0.25s ease;
  --transition-2: 0.5s ease-in-out;

}
/*-----------------------*\
  #RESET
\*-----------------------*/
```

```css
*, *::before, *::after {
  margin: 0;
  padding: 0;
  box-sizing: border-box;
}

a { text-decoration: none; } li {

list-style: none; }

img, ion-icon, a, button, time, span { display: block; }

button {
  font: inherit;
  background: none;
  border: none;
  text-align: left; cursor:
  pointer;
}

input, textarea { display:
  block; width: 100%;
  background: none; font:
  inherit;
}

::selection {
  background: var(--orange-yellow-crayola); color:
  var(--smoky-black);
}

:focus { outline-color: var(--orange-yellow-crayola); } html {

font-family: var(--ff-poppins); }

body { background: var(--smoky-black); }
/*----------------------.*\
  #REUSED STYLE
\*----------------------.*/

.sidebar, article {
  background: var(--eerie-black-2);
  border: 1px solid var(--jet);
  border-radius: 20px;
  padding: 15px;
  box-shadow: var(--shadow-1);
  z-index: 1;
}

.separator { width:
  100%;
  height: 1px;
  background: var(--jet);
```

```css
  margin: 16px 0;
}

.icon-box { position:
  relative;
  background: var(--border-gradient-onyx);
  width: 30px;
  height: 30px;
  border-radius: 8px;
  display: flex;
  justify-content: center;
  align-items: center;
  font-size: 16px;
  color: var(--orange-yellow-crayola);
  box-shadow: var(--shadow-1);
  z-index: 1;
}

.icon-box::before {
  content: ""; position:
  absolute; inset: 1px;
  background: var(--eerie-black-1);
  border-radius: inherit;
  z-index: -1;
}

.icon-box ion-icon { --ionicon-stroke-width: 35px; } article {

display: none; }

article.active { display:
  block;
  animation: fade 0.5s ease backwards;
}

@keyframes fade { 0% {
  opacity: 0; }
  100% { opacity: 1; }
}

.h2,
.h3,
.h4,
.h5 {
  color: var(--white-2);
  text-transform: capitalize;
}

.h2 { font-size: var(--fs-1); }

.h3 { font-size: var(--fs-2); }

.h4 { font-size: var(--fs-4); }

.h5 {
```

```css
  font-size: var(--fs-7);
  font-weight: var(--fw-500);
}

.article-title { position:
  relative; padding-bottom:
  7px;
}

.article-title::after {
  content: ""; position:
  absolute; bottom: 0;
  left: 0; width:
  30px; height:
  3px;
  background: var(--text-gradient-yellow);
  border-radius: 3px;
}

.has-scrollbar::-webkit-scrollbar { width:
  5px; /* for vertical scrollbar */
  height: 5px; /* for horizontal scrollbar */
}

.has-scrollbar::-webkit-scrollbar-track {
  background: var(--onyx);
  border-radius: 5px;
}

.has-scrollbar::-webkit-scrollbar-thumb {
  background: var(--orange-yellow-crayola);
  border-radius: 5px;
}

.has-scrollbar::-webkit-scrollbar-button { width: 20px; }

.content-card { position:
  relative;
  background: var(--border-gradient-onyx); padding:
  15px;
  padding-top: 45px;
  border-radius: 14px;
  box-shadow: var(--shadow-2); cursor:
  pointer;
  z-index: 1;
}

.content-card::before { content:
  "";
  position: absolute; inset:
  1px;
  background: var(--bg-gradient-jet);
  border-radius: inherit;

}z-index: -1;
```

```
/*-----------------------*\
  #MAIN
\*-----------------------*/

main {
  margin: 15px 12px;
  margin-bottom: 75px;
  min-width: 259px;
}
/*-----------------------*\
  #SIDEBAR
\*-----------------------*/

.sidebar {
  margin-bottom: 15px;
  max-height: 112px;
  overflow: hidden;
  transition: var(--transition-2);
}

.sidebar.active { max-height: 405px; }

.sidebar-info { position:
  relative; display: flex;
  justify-content: flex-start;
  align-items: center;
  gap: 15px;
}

.avatar-box {
  background: var(--bg-gradient-onyx);
  border-radius: 20px;
}

.info-content .name { color:
  var(--white-2);
  font-size: var(--fs-3);
  font-weight: var(--fw-500);
  letter-spacing: -0.25px;
  margin-bottom: 10px;
}

.info-content .title { color:
  var(--white-1);
  background: var(--onyx);
  font-size: var(--fs-8);
  font-weight: var(--fw-300);
  width: max-content; padding:
  3px 12px;
  border-radius: 8px;
}

.info_more-btn {
  position: absolute;
  top: -15px;
```

```css
  right: -15px;
  border-radius: 0 15px;
  font-size: 13px;
  color: var(--orange-yellow-crayola); background:
  var(--border-gradient-onyx); padding: 10px;
  box-shadow: var(--shadow-2);
  transition: var(--transition-1);
  z-index: 1;
}

.info_more-btn::before {
  content: "";
  position: absolute; inset:
  1px;
  border-radius: inherit;
  background: var(--bg-gradient-jet);
  transition: var(--transition-1);
  z-index: -1;
}

.info_more-btn:hover,
.info_more-btn:focus { background: var(--bg-gradient-yellow-1); }

.info_more-btn:hover::before,
.info_more-btn:focus::before { background: var(--bg-gradient-yellow-2); }

.info_more-btn span { display: none; }

.sidebar-info_more {
  opacity: 0; visibility:
  hidden;
  transition: var(--transition-2);
}

.sidebar.active .sidebar-info_more {
  opacity: 1;
  visibility: visible;
}

.contacts-list {
  display: grid;
  grid-template-columns: 1fr; gap:
  16px;
}

.contact-item {
  min-width: 100%;
  display: flex;
  align-items: center; gap:
  16px;
}

.contact-info {
  max-width: calc(100% - 46px);
  width: calc(100% - 46px);
```

```css
}

.contact-title {
  color: var(--light-gray-70);
  font-size: var(--fs-8);
  text-transform: uppercase;
  margin-bottom: 2px;
}

.contact-info :is(.contact-link, time, address) { color:
  var(--white-2);
  font-size: var(--fs-7);
}

.contact-info address { font-style: normal; }

.social-list { display:
  flex;
  justify-content: flex-start;
  align-items: center;
  gap: 15px;
  padding-bottom: 4px;
  padding-left: 7px;
}

.social-item .social-link { color:
  var(--light-gray-70); font-size:
  18px;
}
.social-item .social-link:hover { color: var(--light-gray); }
/*----------------------*\
  #NAVBAR
\*----------------------*/

.navbar { position:
  fixed; bottom: 0;
  left: 0;
  width: 100%;
  background: hsla(240, 1%, 17%, 0.75);
  backdrop-filter: blur(10px);
  border: 1px solid var(--jet);
  border-radius: 12px 12px 0 0;
  box-shadow: var(--shadow-2);
  z-index: 5;
}

.navbar-list { display:
  flex; flex-wrap:
  wrap;
  justify-content: center;
  align-items: center;
  padding: 0 10px;
}

.navbar-link {
```

```css
  color: var(--light-gray);
  font-size: var(--fs-8);
  padding: 20px 7px;
  transition: color var(--transition-1);
}

.navbar-link:hover,
.navbar-link:focus { color: var(--light-gray-70); }

.navbar-link.active { color: var(--orange-yellow-crayola); }
/*-----------------------*\
  #ABOUT
\*-----------------------*/

.about .article-title { margin-bottom: 15px; }

.about-text {
  color: var(--light-gray);
  font-size: var(--fs-6);
  font-weight: var(--fw-300);
  line-height: 1.6;
}

.about-text p { margin-bottom: 15px; }
/**
 * #service
 */

.service { margin-bottom: 35px; }

.service-title { margin-bottom: 20px; }

.service-list {
  display: grid;
  grid-template-columns: 1fr; gap:
  20px;
}

.service-item { position:
  relative;
  background: var(--border-gradient-onyx); padding:
  20px;
  border-radius: 14px;
  box-shadow: var(--shadow-2);
  z-index: 1;
}

.service-item::before { content:
  "";
  position: absolute; inset:
  1px;
  background: var(--bg-gradient-jet);
  border-radius: inherit;
  z-index: -1;
}
```

```css
.service-icon-box { margin-bottom: 10px; }

.service-icon-box img { margin: auto; }

.service-content-box { text-align: center; }

.service-item-title { margin-bottom: 7px; }

.service-item-text { color:
  var(--light-gray); font-size:
  var(--fs-6);
  font-weight: var(--fw-3);
  line-height: 1.6;
}
.modal-container {
  position: fixed; top: 0;
  left: 0;
  width: 100%;
  height: 100%; display:
  flex;
  justify-content: center;
  align-items: center;
  overflow-y: auto;
  overscroll-behavior: contain;
  z-index: 20;
  pointer-events: none;
  visibility: hidden;
}

.modal-container::-webkit-scrollbar { display: none; }

.modal-container.active {
  pointer-events: all;
  visibility: visible;
}

.overlay { position:
  fixed; top: 0;
  left: 0;
  width: 100%;
  height: 100vh;
  background: hsl(0, 0%, 5%);
  opacity: 0; visibility:
  hidden;
  pointer-events: none;
  z-index: 1;
  transition: var(--transition-1);
}

.overlay.active {
  opacity: 0.8;
  visibility: visible;

}pointer-events: all;
```

```css
.testimonials-modal {
  background: var(--eerie-black-2);
  position: relative;
  padding: 15px; margin:
  15px 12px;
  border: 1px solid var(--jet);
  border-radius: 14px;
  box-shadow: var(--shadow-5);
  transform: scale(1.2);
  opacity: 0;
  transition: var(--transition-1);
  z-index: 2;
}

.modal-container.active .testimonials-modal {
  transform: scale(1);
  opacity: 1;
}

.modal-close-btn       {
  position:      absolute;
  top: 15px;
  right: 15px;
  background: var(--onyx);
  border-radius: 8px; width:
  32px;
  height: 32px;
  display: flex;
  justify-content: center;
  align-items: center; color:
  var(--white-2); font-size:
  18px; opacity: 0.7;
}

.modal-close-btn:hover,
.modal-close-btn:focus { opacity: 1; }

.modal-close-btn ion-icon { --ionicon-stroke-width: 50px; }

.modal-avatar-box {
  background: var(--bg-gradient-onyx);
  width: max-content;
  border-radius: 14px;
  margin-bottom: 15px;
  box-shadow: var(--shadow-2);
}

.modal-img-wrapper > img { display: none; }

.modal-title { margin-bottom: 4px; }

.modal-content time {
  font-size: var(--fs-6);
  color: var(--light-gray-70);
```

```css
  font-weight: var(--fw-300);
  margin-bottom: 10px;
}

.modal-content p { color:
  var(--light-gray); font-size:
  var(--fs-6);
  font-weight: var(--fw-300);
  line-height: 1.6;
}
/*---------------------*\
  #RESUME
\*---------------------*/

.article-title { margin-bottom: 35px; }


/**
 * education and experience
 */

.timeline { margin-bottom: 30px; }

.timeline .title-wrapper {
  display: flex;
  align-items: center; gap:
  15px;
  margin-bottom: 25px;
}

.timeline-list {
  font-size: var(--fs-6);
  margin-left: 45px;
}

.timeline-item { position: relative; }

.timeline-item:not(:last-child) { margin-bottom: 20px; }

.timeline-item-title {
  font-size: var(--fs-6);
  line-height: 1.3;
  margin-bottom: 7px;
}

.timeline-list span { color:
  var(--vegas-gold);
  font-weight: var(--fw-400);
  line-height: 1.6;
}

.timeline-item:not(:last-child)::before {
  content: "";
  position: absolute;
  top: -25px;
  left: -30px;
```

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```css
  width: 1px;
  height: calc(100% + 50px);
  background: var(--jet);
}

.timeline-item::after {
  content: ""; position:
  absolute; top: 5px;
  left:        -33px;
  height:       6px;
  width: 6px;
  background:       var(--text-gradient-yellow);
  border-radius: 50%;
  box-shadow: 0 0 0 4px var(--jet);
}

.timeline-text {
  color: var(--light-gray);
  font-weight: var(--fw-300);
  line-height: 1.6;
}
/**
 * skills
 */

.skills-title { margin-bottom: 20px; }

.skills-list { padding: 20px; }
.skills-item:not(:last-child) { margin-bottom: 15px; }

.skill .title-wrapper {
  display: flex;
  align-items: center; gap:
  5px;
  margin-bottom: 8px;
}

.skill   .title-wrapper   data   {
  color:       var(--light-gray);
  font-size: var(--fs-7);
  font-weight: var(--fw-300);
}

.skill-progress-bg {
  background: var(--jet); width:
  100%;
  height: 8px;
  border-radius: 10px;
}

.skill-progress-fill {
  background: var(--text-gradient-yellow);
  height: 100%;

}border-radius: inherit;
}
```

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```css
/*----------------------·*\
  #PORTFOLIO
\*----------------------·*/

.filter-list { display: none; }

.filter-select-box {
  position: relative;
  margin-bottom: 25px;
}

.filter-select {
  background: var(--eerie-black-2); color:
  var(--light-gray);
  display: flex;
  justify-content: space-between;
  align-items: center;
  width: 100%; padding:
  12px 16px;
  border: 1px solid var(--jet);
  border-radius: 14px;
  font-size: var(--fs-6);
  font-weight: var(--fw-300);
}

.filter-select.active .select-icon { transform: rotate(0.5turn); }

.select-list {
  background: var(--eerie-black-2);
  position: absolute;
  top: calc(100% + 6px);
  width: 100%; padding:
  6px;
  border: 1px solid var(--jet);
  border-radius: 14px;
  z-index: 2;
  opacity: 0; visibility:
  hidden;
  pointer-events: none; transition:
  0.15s ease-in-out;
}

.filter-select.active + .select-list { opacity:
  1;
  visibility: visible;
  pointer-events: all;
}

.select-item button {
  background: var(--eerie-black-2); color:
  var(--light-gray);
  font-size: var(--fs-6);
  font-weight: var(--fw-300);
  text-transform: capitalize;
  width: 100%;
  padding: 8px 10px;
```

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```css
  border-radius: 8px;
}

.select-item button:hover { --eerie-black-2: hsl(240, 2%, 20%); }

.project-list {
  display: grid;
  grid-template-columns: 1fr; gap:
  30px;
  margin-bottom: 10px;
}

.project-item { display: none; }

.project-item.active {
  display: block;
  animation: scaleUp 0.25s ease forwards;
}

@keyframes scaleUp {
  0% { transform: scale(0.5); } 100%
  { transform: scale(1); }
}

.project-item > a { width: 100%; }

.project-img { position:
  relative; width: 100%;
  height: 200px;
  border-radius: 16px;
  overflow: hidden;
  margin-bottom: 15px;
}

.project-img::before {
  content: ""; position:
  absolute; top: 0;
  left: 0;
  width: 100%;
  height: 100%; background:
  transparent; z-index: 1;
  transition: var(--transition-1);
}

.project-item > a:hover .project-img::before { background: hsla(0, 0%, 0%, 0.5); }

.project-item-icon-box {
  --scale: 0.8;

  background: var(--jet);
  color: var(--orange-yellow-crayola);

  position: absolute;
  top: 50%;
```

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```css
  left: 50%;
  transform: translate(-50%, -50%) scale(var(--scale));
  font-size: 20px;
  padding: 18px;
  border-radius: 12px;
  opacity: 0;
  z-index: 1;
  transition: var(--transition-1);
}

.project-item > a:hover .project-item-icon-box {
  --scale: 1;
  opacity: 1;
}

.project-item-icon-box ion-icon { --ionicon-stroke-width: 50px; }

.project-img img {
  width: 100%;
  height: 100%;
  object-fit: cover;
  transition: var(--transition-1);
}

.project-item > a:hover img { transform: scale(1.1); }

.project-title,
.project-category { margin-left: 10px; }

.project-title {
  color: var(--white-2);
  font-size: var(--fs-5);
  font-weight: var(--fw-400);
  text-transform: capitalize;
  line-height: 1.3;
}

.project-category {
  color: var(--light-gray-70);
  font-size: var(--fs-6);
  font-weight: var(--fw-300);
}
/*---------------------*\
  #CONTACT
\*---------------------*/

.mapbox { position:
  relative; height:
  250px; width: 100%;
  border-radius: 16px;
  margin-bottom: 30px; border:
  1px solid var(--jet); overflow:
  hidden;
}
```

```css
.mapbox figure { height: 100%; }

.mapbox iframe {
 width: 100%;
 height: 100%; border:
 none;

}

.contact-form { margin-bottom: 10px; }

.form-title { margin-bottom: 20px; }

.input-wrapper { display:
 grid;
 grid-template-columns: 1fr; gap:
 25px;
 margin-bottom: 25px;
}

.form-input {
 color: var(--white-2);
 font-size: var(--fs-6);
 font-weight: var(--fw-400);
 padding: 13px 20px; border:
 1px solid var(--jet);
 border-radius: 14px; outline:
 none;
}

.form-input::placeholder { font-weight: var(--fw-500); }
.form-input:focus { border-color: var(--orange-yellow-crayola); }
textarea.form-input {
 min-height: 100px;
 height: 120px;
 max-height: 200px;
 resize: vertical;
 margin-bottom: 25px;
}

textarea.form-input::-webkit-resizer { display: none; }

.form-input:focus:invalid { border-color: var(--bittersweet-shimmer); }

.form-btn { position:
 relative; width: 100%;
 background: var(--border-gradient-onyx);
 color: var(--orange-yellow-crayola); display:
 flex;
 justify-content: center;
 align-items: center;
 gap: 10px;
 padding: 13px 20px;
```

```css
  border-radius: 14px;
  font-size: var(--fs-6);
  text-transform: capitalize;
  box-shadow: var(--shadow-3);
  z-index: 1;
  transition: var(--transition-1);
}

.form-btn::before {
  content: ""; position:
  absolute; inset: 1px;
  background: var(--bg-gradient-jet);
  border-radius: inherit;
  z-index: -1;
  transition: var(--transition-1);
}

.form-btn ion-icon { font-size: 16px; }

.form-btn:hover { background: var(--bg-gradient-yellow-1); }

.form-btn:hover::before { background: var(--bg-gradient-yellow-2); }

.form-btn:disabled {
  opacity: 0.7; cursor:
  not-allowed;
}

.form-btn:disabled:hover { background: var(--border-gradient-onyx); }

.form-btn:disabled:hover::before { background: var(--bg-gradient-jet); }
/*----------------------*\
  #RESPONSIVE
\*----------------------*/

/**
 * responsive larger than 450px screen
 */

@media (min-width: 450px) {

  /**
   * #PORTFOLIO,
   */

  .project-img,
  .blog-banner-box { height: auto; }

}
/**
 * responsive larger than 580px screen
 */

@media (min-width: 580px) {
```

```css
/**
 * CUSTOM PROPERTY
 */

:root {

  /**
   * typography
   */

  --fs-1: 32px;
  --fs-2: 24px;
  --fs-3: 26px;
  --fs-4: 18px;
  --fs-6: 15px;
  --fs-7: 15px;
  --fs-8: 12px;

}
/**
 * #REUSED STYLE
 */

.sidebar, article { width:
  520px; margin-inline:
  auto; padding: 30px;
}

.article-title {
  font-weight: var(--fw-600);
  padding-bottom: 15px;
}

.article-title::after {
  width: 40px; height:
  5px;
}

.icon-box { width:
  48px; height:
  48px;
  border-radius: 12px;
  font-size: 18px;
}
/**
 * #MAIN
 */

main {
  margin-top: 60px;
  margin-bottom: 100px;
}
/**
 * #SIDEBAR
 */
```

```css
.sidebar {
 max-height: 180px;
 margin-bottom: 30px;
}

.sidebar.active { max-height: 584px; }

.sidebar-info { gap: 25px; }

.avatar-box { border-radius: 30px; }

.avatar-box img { width: 120px; }

.info-content .name { margin-bottom: 15px; }

.info-content .title { padding: 5px 18px; }

.info_more-btn {
 top: -30px; right:
 -30px;
 padding: 10px 15px;
}

.info_more-btn span {
 display: block;
 font-size: var(--fs-8);
}

.info_more-btn ion-icon { display: none; }

.separator { margin: 32px 0; }

.contacts-list { gap: 20px; }

.contact-info {
 max-width: calc(100% - 64px);
 width: calc(100% - 64px);
}
/**
 * #NAVBAR
 */

.navbar { border-radius: 20px 20px 0 0; }

.navbar-list { gap: 20px; }

.navbar-link { --fs-8: 14px; }
/**
 * #ABOUT
 */

.about .article-title { margin-bottom: 20px; }

.about-text { margin-bottom: 40px; }
```

```css
/* service */

.service-item {
 display: flex;
 justify-content: flex-start;
 align-items: flex-start; gap:
 18px;
 padding: 30px;
}

.service-icon-box      {
 margin-bottom:     0;
 margin-top: 5px;
}

.service-content-box { text-align: left; }
}

/* testimonials modal */

.modal-container { padding: 20px; }

.testimonials-modal { display:
 flex;
 justify-content: flex-start;
 align-items: stretch;
 gap: 25px; padding:
 30px;
 border-radius: 20px;
}

.modal-img-wrapper {
 display: flex;
 flex-direction: column;
 align-items: center;
}

.modal-avatar-box {
 border-radius: 18px;
 margin-bottom: 0;
}

.modal-avatar-box img { width: 65px; }

.modal-img-wrapper > img { display:
 block;
 flex-grow: 1;
 width: 35px;
}

/**
 * #RESUME
 */

.timeline-list { margin-left: 65px; }
```

```css
.timeline-item:not(:last-child)::before { left: -40px; }

.timeline-item::after { height:
  8px;
  width: 8px;
  left: -43px;
}

.skills-item:not(:last-child) { margin-bottom: 25px; }
/**
 * #CONTACT
 */

.mapbox { height:
  380px;
  border-radius: 18px;
}

.input-wrapper { gap:
  30px;
  margin-bottom: 30px;
}

.form-input { padding: 15px 20px; }

textarea.form-input { margin-bottom: 30px; }

.form-btn {
  --fs-6: 16px; padding:
  16px 20px;
}

.form-btn ion-icon { font-size: 18px; }
/**
 * responsive larger than 768px screen
 */

@media (min-width: 768px) {

 /**
  * REUSED STYLE
  */

 .sidebar, article { width: 700px; }

 .has-scrollbar::-webkit-scrollbar-button { width: 100px; }
 /**
  * SIDEBAR
  */

 .contacts-list {
  grid-template-columns: 1fr 1fr; gap:
  30px 15px;
 }
 /**
  * NAVBAR
```

```css
 */

.navbar-link { --fs-8: 15px; }
/**
 * ABOUT
 */

/* testimonials modal */

.testimonials-modal { gap:
 35px;
 max-width: 680px;
}

.modal-avatar-box img { width: 80px; }
/**
 * PORTFOLIO
 */

.article-title { padding-bottom: 20px; }

.filter-select-box { display: none; }

.filter-list { display:
 flex;
 justify-content: flex-start;
 align-items: center;
 gap: 25px;
 padding-left: 5px;
 margin-bottom: 30px;
}

.filter-item button { color:
 var(--light-gray); font-size:
 var(--fs-5);
 transition: var(--transition-1);
}

.filter-item button:hover { color: var(--light-gray-70); }

.filter-item button.active { color: var(--orange-yellow-crayola); }
/**
 * CONTACT
 */

.input-wrapper { grid-template-columns: 1fr 1fr; }

.form-btn {
 width: max-content;
 margin-left: auto;
}

}
/**
 * responsive larger than 1024px screen
 */
```

```css
@media (min-width: 1024px) {

  /**
   * CUSTOM PROPERTY
   */

  :root {

    /**
     * shadow
     */

    --shadow-1: -4px 8px 24px hsla(0, 0%, 0%, 0.125);
    --shadow-2: 0 16px 30px hsla(0, 0%, 0%, 0.125);
    --shadow-3: 0 16px 40px hsla(0, 0%, 0%, 0.125);

  }
  /**
   * REUSED STYLE
   */

  .sidebar, article { width:
    950px;
    box-shadow: var(--shadow-5);
  }
  /**
   * MAIN
   */

  main { margin-bottom: 60px; }

  .main-content { position:
    relative; width:
    max-content; margin:
    auto;
  }
  /**
   * NAVBAR
   */

  .navbar {
    position: absolute;
    bottom: auto;
    top: 0; left:
    auto; right: 0;
    width: max-content;
    border-radius: 0 20px;
    padding: 0 20px;
    box-shadow: none;
  }

  .navbar-list {
    gap: 30px;
    padding: 0 20px;
```

```
      }

      .navbar-link { font-weight: var(--fw-500); }
      /**
       * ABOUT
       */

      /* service */

      .service-list {
       grid-template-columns: 1fr 1fr; gap:
       20px 25px;
      }

      /* testimonials */

      .testimonials-item { min-width: calc(50% - 15px); }

      /**
       * PORTFOLIO
       */

      .project-list { grid-template-columns: repeat(3, 1fr); }
/**
 * responsive larger than 1250px screen
 */

@media (min-width: 1250px) {

 /**
  * RESET
  */

 body::-webkit-scrollbar { width: 20px; }
 body::-webkit-scrollbar-track { background: var(--smoky-black); }
 body::-webkit-scrollbar-thumb {
  border:  5px  solid  var(--smoky-black);
  background:  hsla(0,  0%,  100%,  0.1);
  border-radius: 20px;
  box-shadow: inset 1px 1px 0 hsla(0, 0%, 100%, 0.11),
          inset -1px -1px 0 hsla(0, 0%, 100%, 0.11);
 }
 body::-webkit-scrollbar-thumb:hover { background: hsla(0, 0%, 100%, 0.15); }
 body::-webkit-scrollbar-button { height: 60px; }
 /**
  * REUSED STYLE
  */

 .sidebar, article { width: auto; }

 article { min-height: 100%; }
 /**
```

```css
 * MAIN
 */

main {
 max-width:        1200px;
 margin-inline:        auto;
 display: flex;
 justify-content: center;
 align-items: stretch; gap:
 25px;
}

.main-content {
 min-width: 75%;
 width: 75%;
 margin: 0;
}
/**
 * SIDEBAR
 */

.sidebar { position:
 sticky; top: 60px;
 max-height: max-content;
 height: 100%;
 margin-bottom: 0;
 padding-top: 60px;
 z-index: 1;
}

.sidebar-info { flex-direction: column; }

.avatar-box img { width: 150px; }

.info-content .name {
 white-space: nowrap;
 text-align: center;
}

.info-content .title { margin: auto; }

.info_more-btn { display: none; }

.sidebar-info_more {
 opacity: 1; visibility:
 visible;
}

.contacts-list { grid-template-columns: 1fr; }

.contact-info :is(.contact-link) {
 white-space: nowrap; overflow:
 hidden;

}text-overflow: ellipsis;
}
```

```css
.contact-info :is(.contact-link, time, address) {
  --fs-7: 14px;
  font-weight: var(--fw-300);
}

.separator:last-of-type {
  margin: 15px 0;
  opacity: 0;
}

.social-list { justify-content: center; }
/**
  * RESUME
  */

.timeline-text { max-width: 700px; }

}
```

3. script.js:

```javascript
'use strict';

// element toggle function
const elementToggleFunc = function (elem) { elem.classList.toggle("active"); }

// sidebar variables
const sidebar = document.querySelector("[data-sidebar]");
const sidebarBtn = document.querySelector("[data-sidebar-btn]");

// sidebar toggle functionality for mobile
sidebarBtn.addEventListener("click", function () { elementToggleFunc(sidebar); });

// testimonials variables
const testimonialsItem = document.querySelectorAll("[data-testimonials-item]");
const modalContainer = document.querySelector("[data-modal-container]"); const
modalCloseBtn = document.querySelector("[data-modal-close-btn]"); const overlay
= document.querySelector("[data-overlay]");

// modal variable
const modalImg   =   document.querySelector("[data-modal-img]");
const modalTitle   =   document.querySelector("[data-modal-title]");
const modalText = document.querySelector("[data-modal-text]");

// modal toggle function
const testimonialsModalFunc = function () {
  modalContainer.classList.toggle("active");
  overlay.classList.toggle("active");
}
```

```javascript
// add click event to all modal items
for (let i = 0; i < testimonialsItem.length; i++) {
```

```javascript
    modalImg.src = this.querySelector("[data-testimonials-avatar]").src;
    modalImg.alt = this.querySelector("[data-testimonials-avatar]").alt;
    modalTitle.innerHTML = this.querySelector("[data-testimonials-title]").innerHTML;
    modalText.innerHTML = this.querySelector("[data-testimonials-text]").innerHTML;

    testimonialsModalFunc();

  });

}
// add click event to modal close button
modalCloseBtn.addEventListener("click", testimonialsModalFunc);
overlay.addEventListener("click", testimonialsModalFunc);

// custom select variables
const select = document.querySelector("[data-select]");
const selectItems = document.querySelectorAll("[data-select-item]");
const selectValue = document.querySelector("[data-selecct-value]");
const filterBtn = document.querySelectorAll("[data-filter-btn]");

select.addEventListener("click", function () { elementToggleFunc(this); });

// add event in all select items
for (let i = 0; i < selectItems.length; i++) {
  selectItems[i].addEventListener("click", function () {

    let selectedValue = this.innerText.toLowerCase();
    selectValue.innerText = this.innerText;
    elementToggleFunc(select); filterFunc(selectedValue);

  });
}

// filter variables
const filterItems = document.querySelectorAll("[data-filter-item]");

const filterFunc = function (selectedValue) {

  for (let i = 0; i < filterItems.length; i++) {

    if (selectedValue === "all") {
      filterItems[i].classList.add("active");
    } else if (selectedValue === filterItems[i].dataset.category) {
      filterItems[i].classList.add("active");
    } else {
      filterItems[i].classList.remove("active");
    }

  }
```

```
}

// add event in all filter button items for large screen
```

```
for (let i = 0; i < filterBtn.length; i++) {

  filterBtn[i].addEventListener("click", function () { let
    selectedValue = this.innerText.toLowerCase();
    selectValue.innerText = this.innerText;
    filterFunc(selectedValue);

    lastClickedBtn.classList.remove("active");
    this.classList.add("active"); lastClickedBtn =
    this;

  });

}
// contact form variables
const form = document.querySelector("[data-form]");
const formInputs = document.querySelectorAll("[data-form-input]");
const formBtn = document.querySelector("[data-form-btn]");

// add event to all form input field
for (let i = 0; i < formInputs.length; i++) {
  formInputs[i].addEventListener("input", function () {

    // check form validation
    if (form.checkValidity()) {
      formBtn.removeAttribute("disabled");
    } else { formBtn.setAttribute("disabled",
      "");
    }

  });
}

// page navigation variables
const navigationLinks = document.querySelectorAll("[data-nav-link]");
const pages = document.querySelectorAll("[data-page]");

// add event to all nav link
for (let i = 0; i < navigationLinks.length; i++) {
  navigationLinks[i].addEventListener("click", function () {

    for (let i = 0; i < pages.length; i++) {
      if (this.innerHTML.toLowerCase() === pages[i].dataset.page) {
        pages[i].classList.add("active");
        navigationLinks[i].classList.add("active");
        window.scrollTo(0, 0);
      } else {
        pages[i].classList.remove("active");
        navigationLinks[i].classList.remove("active");
      }
```
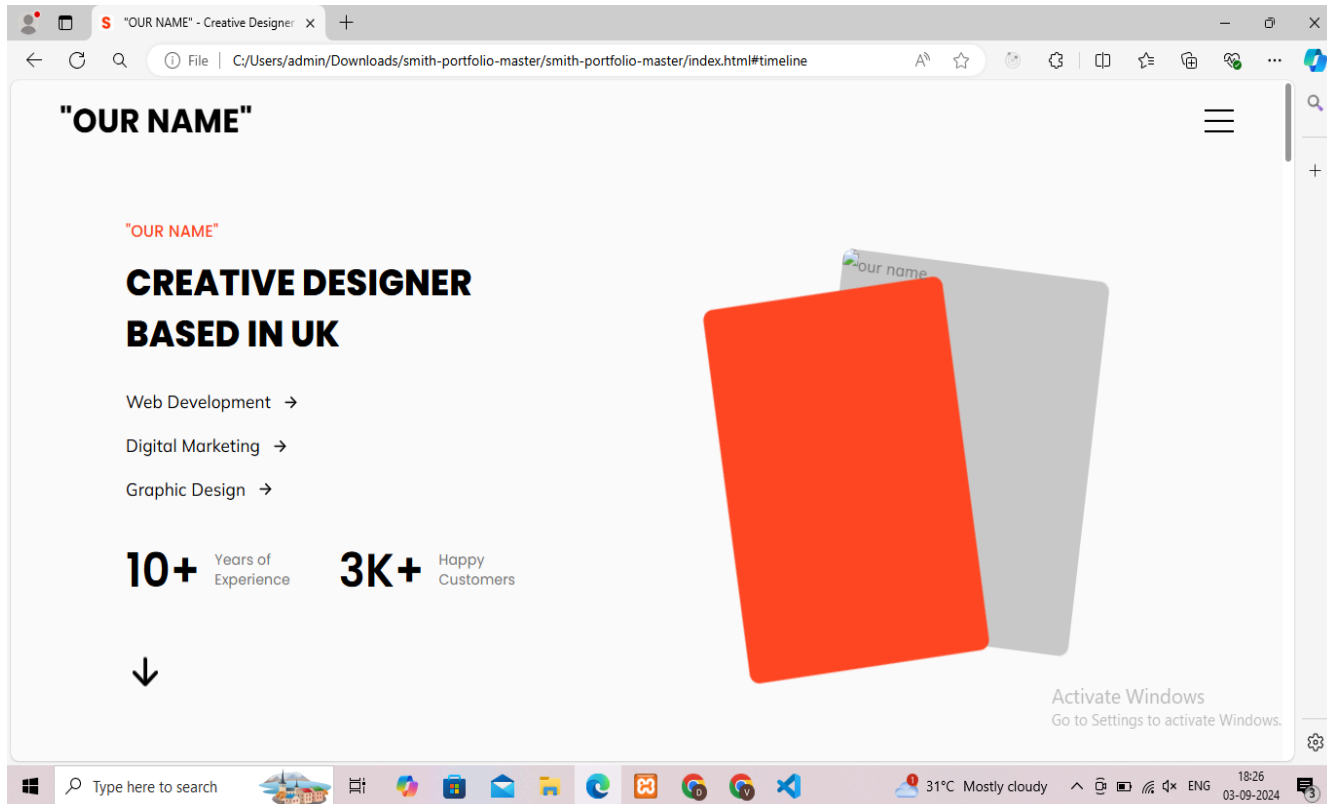
```
    }

  });
}
```

09.OUTPUT

10. CHALLENGES AND SOLUTIONS

- **Cross-Browser Compatibility:** Ensuring consistent appearance and behavior across different browsers was a significant challenge. To address this, CSS resets were used to standardize default styles across browsers, and vendor prefixes were added to support different browser-specific CSS properties.

- **Responsive Design:** Designing a layout that functions well on both large and small screens required multiple iterations and testing. Flexbox and CSS Grid were extensively used to create a flexible and adaptive layout. Media queries were fine-tuned to ensure that all elements resized and repositioned correctly across various breakpoints.

- **Performance Optimization:** Balancing visual appeal with website performance was challenging. To optimize load times, images were compressed, CSS and JavaScript files were minified, and browser caching was leveraged to reduce server load.

- **Interactivity:** Implementing smooth scrolling and project filtering required careful consideration to ensure these features worked seamlessly across devices. JavaScript functions were optimized to prevent any performance issues, particularly on mobile devices.

11. CONCLUSION

In conclusion, the development of the responsive portfolio website has successfully met its objectives of showcasing a dynamic, user-friendly, and visually appealing online presence. This project highlighted several critical aspects of web design and development

Overall, this project has demonstrated the importance of responsive design principles and attention to detail in creating a functional and engaging portfolio website. The completed site not only meets the initial design goals but also sets a solid foundation for future enhancements and growth.

12. APPENDICES

Github link : https://hari.github.io/intenproject/