### **Frontend Design Document**

#### **Project Overview**

This document outlines the frontend design structure of the portfolio website. It combines HTML templates and CSS styles to deliver a multilingual, responsive, and dynamic portfolio experience.

### **1. Global Design Principles**

* **Consistency:**
  + Use of CSS variables (:root) for maintaining uniform color schemes, font sizes, and spacing.
  + Common components like navigation, footer, and buttons are styled consistently across pages.
* **Accessibility:**
  + Semantic HTML tags and ARIA attributes ensure compatibility with assistive technologies.
  + Focus states and keyboard navigation are implemented for better usability.
* **Responsiveness:**
  + All pages adapt seamlessly to various screen sizes using CSS media queries.
  + Flexible grid and flexbox layouts are employed for dynamic resizing.

### **2. File Structure**

#### **HTML TemplatesCSS Files**

| **File** | **Description** |
| --- | --- |
| base.html | Core layout template with reusable blocks for navigation, footer, and main content. |
| home.html | Landing page with hero section and dynamic feature highlights. |
| blog\_list.html | Displays a list of blogs with search and category filtering options. |
| blog\_detail.html | Detailed view of a single blog post. |
| certificate\_list.html | Lists certificates with titles and brief descriptions. |
| certificate\_detail.html | Displays certificate details, including related skills and images. |
| contact.html | Contact form for sending messages, with a section for contact details. |
| education.html | Combines education, certificates, and job experience sections with filtering capabilities. |
| education\_list.html | Displays a list of educational records. |
| education\_detail.html | Detailed view of a single education record. |
| job\_experience\_list.html | Lists job experiences with titles, companies, and timelines. |
| job\_experience\_detail.html | Detailed view of a specific job experience. |
| projects.html | Displays all projects in a grid layout. |
| project\_detail.html | Highlights specific project details, including presentations, folders, and reviews. |
| review\_form.html | Form to submit reviews for a project. |

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| File | Description |
| --- | --- |
| styles.css | Core styles for the entire website, including global fonts, colors, and body styling. |
| navigation.css | Styles for the navigation bar, including dropdowns and responsive menus. |
| footer.css | Minimalistic footer styling. |
| home.css | Hero section and dynamic content styling for the home page. |
| blog\_list.css | Styles for blog listing, search functionality, and categories. |
| blog\_detail.css | Detailed blog post styles, including related posts. |
| certificate\_list.css | Certificate listing and card layout styles. |
| certificate\_detail.css | Styles for displaying certificate details and related skills. |
| contact.css | Styling for the contact form and contact details section. |
| education.css | Combined education, certificates, and job experience page styles. |
| education\_list.css | List view styles for educational records. |
| education\_detail.css | Detailed view styles for a single education record. |
| job\_experience\_list.css | List view styles for job experiences. |
| job\_experience\_detail.css | Detailed view styles for a specific job experience. |
| project.css | Grid layout styles for project listings. |
| project\_detail.css | Detailed project page styles, including folders and reviews. |
| review\_form.css | Form styling for submitting project reviews. |

### **3. Core Components**

#### **Navigation Bar**

* Sticky and responsive.
* Dropdown menus and language switcher implemented.
* Enhances accessibility with focus outlines and ARIA labels.

#### **Footer**

* Minimalist design.
* Includes copyright information and external links.

#### **Hero Section**

* Prominent on the home page.
* Combines a gradient background, profile image, and welcome text.

#### **Cards and Grids**

* Used for blog posts, projects, certificates, and education lists.
* Uniform hover effects and transitions for interactivity.

#### **Forms**

* Used in contact.html and review\_form.html.
* Includes validation messages and focus states.

### **4. Dynamic Features**

#### **Language Support**

* Django {% trans %} tags enable multilingual content.
* Language switcher form dynamically updates the language preference.

#### **Filtering and Search**

* Blog list and education pages include filtering options.
* Search functionality implemented for blogs.

#### **Responsive Carousels**

* Certificate section utilizes a responsive carousel layout.
* Smooth transitions and navigational buttons included.

### **5. Responsive Design**

#### **Breakpoints**

| Breakpoint | Max Width (px) | Description |
| --- | --- | --- |
| Large | 1200+ | Standard desktop view. |
| Medium | 768 | Tablet and small laptop screens. |
| Small | 480 | Mobile devices. |

#### **Responsive Strategies**

* **Grid and Flexbox:** Adapt layouts using CSS grid and flexbox properties.
* **Font Scaling:** Use relative font sizes for better readability on small screens.
* **Mobile-Specific Adjustments:**
  + Full-width buttons.
  + Adjusted padding and margins.
  + Compact card layouts.

### **6. Accessibility Considerations**

* **Semantic HTML:** Consistent use of header, main, article, and section tags.
* **Focus Management:** Keyboard navigability with clear focus outlines.
* **Contrast Ratios:** High-contrast colors ensure readability.
* **ARIA Roles:** Used for complex elements like carousels and forms.