# **UX Design and Information Architecture (IA) Design Document**

## **User Experience (UX) Journey**

The UX journey for the provided front-end design is structured to provide users with an intuitive, seamless, and engaging experience. The journey is broken into distinct phases based on the user’s interaction points with the website.

### **1. Landing/Home Page**

* **Objective**: Welcome users and provide a clear overview of the website's purpose.
* **Key Features**:
  + Hero section with a prominent greeting and an optional profile image to build trust.
  + Clear navigation bar to direct users to different sections of the portfolio.
  + Highlights dynamic sections (e.g., skills, featured projects, certifications).
* **UX Considerations**:
  + Mobile-friendly design ensures accessibility on all devices.
  + Clean, professional typography and modern color scheme convey professionalism.
  + User actions are clearly marked, such as CTAs (Call to Action) like "View Projects" or "Contact Me."

### **2. Navigation**

* **Objective**: Allow users to easily find desired information.
* **Key Features**:
  + Sticky navigation menu for constant accessibility.
  + Language switcher for multi-lingual support.
  + Responsive hamburger menu for mobile users.
* **UX Considerations**:
  + Focus on simplicity with an uncluttered layout.
  + Visual feedback for hover and active states.
  + Clear labeling and grouping of sections such as "Education," "Projects," and "Contact."

### **3. Portfolio Sections**

#### **a. Projects Page**

* **Objective**: Showcase user projects in a visually appealing manner.
* **Key Features**:
  + Grid layout for projects with brief descriptions.
  + Links to project details with technology stack and reviews.
* **UX Considerations**:
  + Maintain consistency in card design for project previews.
  + Prioritize accessibility by including alternative text for images.

#### **b. Certificates Page**

* **Objective**: Highlight professional certifications.
* **Key Features**:
  + List of certificates with clickable details.
  + Detailed certificate pages include related skills and images.
* **UX Considerations**:
  + Ensure scalability for additional certificates.
  + Minimal design for quick scanning.

#### **c. Education and Experience Page**

* **Objective**: Provide users with detailed professional and educational backgrounds.
* **Key Features**:
  + Timeline or list views for education and job experiences.
  + Filter options by skills.
* **UX Considerations**:
  + Maintain consistency in layout and typography.
  + Highlight key dates and institutions/employers.

### **4. Blog Section**

* **Objective**: Share insights, articles, or professional content.
* **Key Features**:
  + Search bar and category filters for ease of navigation.
  + Grid-based list of blog previews linking to detailed posts.
* **UX Considerations**:
  + Optimize for readability with ample white space and legible font sizes.
  + Responsive images to maintain performance on all devices.

### **5. Contact Page**

* **Objective**: Enable users to communicate with the portfolio owner easily.
* **Key Features**:
  + Contact form with validation for user inputs.
  + Direct links to email, LinkedIn, and GitHub.
* **UX Considerations**:
  + Emphasize ease of use with clear field labels and error feedback.
  + Provide confirmation for successful submissions.

### **6. Accessibility Features**

* Focus on keyboard navigation and ARIA attributes for screen readers.
* Color contrast adheres to WCAG guidelines for readability.

## **Information Architecture (IA) Design**

The Information Architecture of the front end is designed to be modular, ensuring scalability and maintainability. Below is the structure:

### **Hierarchical Overview**

#### **1. Global Elements**

* **Header**
  + Logo
  + Navigation links
  + Language switcher
* **Footer**
  + Copyright notice
  + Quick links
  + Contact details

#### **2. Content Sections**

* **Home Page**
  + Hero Section
  + Featured Projects
  + Skills Overview
* **Projects Page**
  + Project grid view
  + Individual project details
* **Certificates Page**
  + Certificate list view
  + Individual certificate details
* **Education Page**
  + Education and Experience timeline/list
  + Filters by skills or categories
* **Blog Page**
  + Blog list with search and categories
  + Individual blog details
* **Contact Page**
  + Contact form
  + Additional contact methods (social links, email)

#### **3. Shared Components**

* **Navigation Bar**
  + Responsive design with a toggle for smaller screens.
  + Highlight current section for better orientation.
* **Carousel Components**
  + Used for certificates or featured projects.
* **Forms**
  + Contact form with CSRF protection and field validation.

#### **4. Supporting Files and Assets**

* **Static Assets**
  + CSS files for styling (e.g., global, specific pages).
  + JS files for interactivity (e.g., navigation toggle, carousels).
  + Images and icons for certificates, projects, etc.
* **Templates**
  + Base HTML template for consistent layout.
  + Individual templates for each section/page.

### **Technology Stack**

* **Frontend Frameworks**: HTML5, CSS3, JavaScript (Vanilla).
* **Styling**: CSS with custom properties and responsive design.
* **Localization**: Django's translation framework for multi-language support.
* **Accessibility Tools**: ARIA roles, WCAG-compliant color schemes.