

DOCUMENTATION

Website – Online Portfolio

Approach:

1. General Overview

This code defines a personal portfolio website for Akul Malhotra. It showcases key sections, including a hero section, projects, skills, work experience, and a contact form. The website employs HTML for structure, CSS for styling (linked as `style.css`), and JavaScript for interactivity (e.g., dynamic text animations).

2. File Structure

1. **HTML (Main File):** Contains the structure of the website.
 2. **CSS (`style.css`):** Styles the elements in the website.
 3. **Assets:**
 - `images/`: Contains images for the hero section, projects, and skills.
 - `images/userAsset/`: Stores user-specific icons (e.g., `A.png`, `cube.png`, etc.).
 - `images/stack/`: Contains technology stack logos for skill demonstration.
 4. **JavaScript (`typed.js`):** Provides animations for the role description in the hero section.
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3. Code Sections and Purpose

1. HTML Metadata & External Resources:

- Sets character encoding, viewport configuration, and the document title.
- Links external resources like style.css, FontAwesome, and typed.js.

2. Header and Navbar (#wrapper):

- **Purpose:** Houses the navigation bar for smooth navigation across sections.
- **Structure:**
 - **Logo:** Image (A.png) with text ("Akul Malhotra").
 - **Navigation Items:** Links to #project, #skills, and #contactme.

3. Hero Section (.hero-section):

- **Purpose:** Introduces Akul Malhotra with a dynamic description of roles and personal information.
- **Key Features:**
 - **Dynamic Role Animation:** Utilizes typed.js to cycle through titles (e.g., Full Stack Developer, Web Developer).
 - **Images and Icons:** Adds decorative and user-specific assets for visual appeal.
 - **Call-to-Action:** "Hire Me" button.

4. Projects Section (#project):

- **Purpose:** Highlights completed projects.
- **Structure:**

- **Project Cards:** Each card contains:
 - Project Title and Description.
 - Technology Stack (e.g., HTML, CSS, Express.js).
 - Links to GitHub and Live Demo (placeholder links).

5. Skills Section (#skills):

- **Purpose:** Showcases technical skills with logos of tools and frameworks.
- **Key Features:**
 - Two Columns:
 - **Left:** Introduction to tech stack experience.
 - **Right:** Logos of technologies (e.g., React, Node.js, MongoDB).

6. Work Experience Section:

- **Purpose:** Summarizes industrial experience, focusing on Shopify development and custom features.

7. Contact Section (#contactme):

- **Purpose:** Enables users to send a message using a form.
- **Fields:**
 - Name, Email, Subject, and Message.
- **Button:** "Send Message" triggers form submission.

8. Footer:

- **Purpose:** Provides quick navigation and social media links.
- **Key Features:**
 - Links to #project, #skills, #contactme.

- Social Media Icons (Instagram, Twitter, LinkedIn, YouTube).

9. JavaScript Integration:

- **Typed.js Animation:** Displays dynamic role titles.
 - **FontAwesome:** Provides icons for social links and action buttons.
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4. Styling

- Ensure to maintain a separate CSS file (style.css) for consistent and manageable styling.
 - Use classes (.btn, .container, .hero-section) for reusability.
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5. Improvement Suggestions

- **Accessibility:**
 - Add alt text for all images describing their purpose.
 - Use semantic HTML tags where possible (e.g., <header>, <section>, <footer>).
- **Responsive Design:**
 - Test the layout on different devices and browsers.
 - Ensure the form fields and navigation are mobile-friendly.
- **Dynamic Links:**
 - Replace placeholder links in projects and social media with actual URLs.
- **Form Validation:**

- Implement JavaScript or backend validation for the contact form.

6. Dependencies

- **Typed.js:** A library for dynamic text animations.
- **FontAwesome:** For icons in the navigation, project links, and footer.

Difficulties:

- Since there wasn't any designer so had to do hit and trial method again and again
- During the animations on the profile picture controlling the z-index of all the icons was difficult