

Personal Portfolio Website Design and Development

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"Believe in yourself and your abilities. Every great developer once started from zero."

HTML Code Explanation — Portfolio Project

1. Head Section


Copy code 

Html

```
<DOCTYPE html!>
```

Explanation:

This declares the document type and version of HTML being used. Here it's HTML5.

Copy code 

Html

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

Explanation:

Starts the HTML document and sets the language to English.

Copy code 

Html

```
<"meta charset="UTF-8">  
<head>
```

Explanation:

Defines the character encoding for the document as UTF-8, supporting most languages and symbols.

Copy code 

Html

```
    meta name="viewport">
content="width=device-width,
    <initial-scale=1.0
```

Explanation:

This makes the page responsive, adjusting its size based on the device's screen width.

Copy code 

Html

```
<"link rel="stylesheet" href="style.css">
```

Explanation:

Links an external CSS file called `style.css` to style the page.

Copy code 

Html

```
    link rel="stylesheet">
href="https://cdnjs.cloudflare.com/ajax
    /libs/font-awesome/5.15.4/css/all.min
        ".css
    integrity="sha512-..."
    crossorigin="anonymous"
</ "referrerpolicy="no-referrer
```

Explanation:

Links to the Font Awesome library, allowing the use of icon fonts in your page.

Copy code 

Html

```
    link>
href='https://unpkg.com/boxicons@2.1.4
<' /css/boxicons.min.css' rel='stylesheet
```

Explanation:

Adds another icon library (Boxicons) to use more icons easily.

2. Header & Navbar Section

Copy code 


Html

```
<header>
  <"div class="navbar">
    h2>
    <class="logo">Portfo<span>lio</span></h2>
```

Explanation:

Creates a header section containing a navigation bar.

The `h2` element displays the logo text "Portfolio", with the "lio" part inside a `span` tag (can be styled differently in CSS).

Copy code 

Html

```
<title>Document</title>
```

Explanation:

Sets the title of the web page displayed on the browser tab.

Copy code 

Html

```
<a href="#" class="btn">Subscribe</a>
```

Explanation:

A button-like link with class `btn` to subscribe (style given via CSS).

Copy code 

Html

```
<"div class="toggle-btn">  
<i class='bx bx-menu'></i>  
<div/>
```

Explanation:

A `div` with a menu icon (hamburger menu) for mobile view navigation toggle.

Copy code 

Html

```
<"ul class="links">  
<li><a href="#">Home</a></li>  
  li><a href="#about">About<  
    <Us</a></li>  
    li><a>  
      <href="#service">Services</a></li>  
    li><a>  
      <href="##footer">Contact Us</a></li>  
  <ul/>
```

Explanation:

An unordered list (`ul`) for the navigation links. Each `li` is a menu item linking to sections of the same page using `#id`.

Copy code 

Html

```
        <"div class="dropdown-menu">
    <li><a href="#">Home</a></li>
    li><a href="#about">About Us</>
                                <a></li>
    li><a href="#service">Services</>
                                <a></li>
    li><a href="##footer">Contact>
                                <Us</a></li>
                                li><a href="#">
    <class="btn">Subscribe</a></li>
                                <div/>
                                <header/>
```

Explanation:

A hidden dropdown menu for mobile that will be shown when clicking the toggle button.

Copy code 

Html

```
<div/>
```

Explanation:

Closes the navigation bar container.

Copy code 

Html

```
})();toggleBtn.onclick= function
dropDownMenu.classList.toggle('open')
{
  <script/>
```

Explanation:

When the `toggleBtn` is clicked, it toggles the `open` class on `dropDownMenu`, showing or hiding it via CSS.

End of Head & Header Explanation

3. JavaScript for Toggle Menu

Copy code 

Html

```

                                <script>
                                const toggleBtn=
document.querySelector('.toggle-btn')
                                const toggleBtnIcon=
document.querySelector('.toggle-btn i')
                                const dropDownMenu=
document.querySelector('.dropdown-menu')
```

Explanation:

Defines three variables:

- `toggleBtn`: selects the menu button element
- `toggleBtnIcon`: selects the icon inside the button
- `dropDownMenu`: selects the dropdown menu

4. Home Section

Copy code 

Html

```
<h4>Hello, my name is</h4>
```

Explanation:

A small heading displaying greeting text.

Copy code 

Html

```
<h1>Shohreh</h1>
```

Explanation:

Main large heading showing the name "Shohreh".

Copy code 

Html

```
<"div class="all">
```

Explanation:

This is a container `div` with class `all`, wrapping both the right and left sides of the home section.

Right Side (Text and Form)

Copy code 

Html

```
<"div class="right">
```

Explanation:

A `div` to hold the content on the right side — the text introduction and email form.

Newsletter Form

Copy code 

Html

```
<"div class="newsletter">
  <form>
    input type="email">
      name="email" id="email"
    <"placeholder="Enter Your Email
  input type="submit">
    <"name="submit" value="Lets Start
  <form/>
</div/>
```

Explanation:

A newsletter subscription form:

- **First input:** email type input for the user's email address with a placeholder text.
- **Second input:** a submit button labeled "Let's Start".

Copy code 

Html

```
<h3>I'am Frontend Developer</h3>
```

Explanation:

A medium heading showing the job title.

Copy code 

Html

```
<h5>
  I'm a computer programming
                                student AND I'm
  very happy that I chose the
                                .right path
programming is not a job but)
                                .(a love
                                <h5/>
```

Explanation:

A smaller heading paragraph describing personal information and passion for programming.

5. About Me Section

Copy code 

Html

```
<article>
```

Explanation:

An `article` element to wrap the "About Me" content. It groups related self-contained content.

Copy code 

Html

```
<"div id="about">
```

Explanation:

A `div` with `id="about"` so it can be targeted by navigation links.

Left Side (Image)

Copy code 

Html

```
<div/>

<"div class="left">
img src="../img/shohreh01.png">
  <""=alt
<div/>
<div/>
```

Explanation:

- A `div` for the left side holding an image (`img` tag).
- `src` points to the image file location.
- `alt` is alternative text for accessibility (but it's empty here — better to fill it later).

Left Column (Image)

Copy code 

Html

```
<"div class="about-col-1>  
img src="./img/>  
<""=photo14483813435.jpg" alt  
<div/>
```

Explanation:

A `div` containing an image of the person.

- `src` is the image source.
 - `alt` is alternative text for screen readers (currently empty).
-

Copy code 

Html

```
<"div class="container>
```

Explanation:

A container `div` to center and constrain the content width.

Copy code 


Html

```
<"div class="row>
```

Explanation:

A `div` acting as a flex row or grid row for layout purposes — dividing the section into two columns.

Description

Copy code 

Html

```
...Lorem ipsum  
<p/>
```

Explanation:

A paragraph describing the person – placeholder text for now.

Right Column (Text and Tabs)

Copy code 

Html

```
<"div class="about-col-2">
```

Explanation:

A `div` for the right side content.

Title

Copy code 

Html

```
<h1 class="sub-title">About Me</h1>
```

Explanation:

A heading displaying the section title "About Me".

Tab Contents

Skills Tab

Copy code 

Html

```
div class="tab-contents active-tab">
  <"id="skills
    <ul>
li><span>UI/>
  UX</span><br>Designing Web/App
  <interfaces</li
  ...
    <ul/>
  <div/>
```

Explanation:

- A `div` with `id skills` containing a list of skills.
- `active-tab` class makes it visible initially.

Tab Titles

Copy code 


Html

```
<"div class="tab-titles">
  p>
    class="tab-links active-link"
  <onclick="opentab('skills')">Skills</p>
  p>
    class="tab-links"
  onclick="opentab('experience')">Experienc
    <e</p>
  p>
    class="tab-links"
  onclick="opentab('education')">Education<
    </p>
</div/>
```

Explanation:

- Three clickable `p` elements acting as tabs.
- `class="tab-links"` for styling.
- `onclick` runs `opentab()` function with the corresponding tab id when clicked.
- The first tab is marked `active-link` by default.

Education Tab

Copy code 


Html

```
<"div class="tab-contents" id="education">
  <ul>
    ...
  <ul/>
</div/>
```

Explanation:

Same as above but for educational background.

Experience Tab

Copy code 

Html

```
div class="tab-contents">
  <"id="experience
    <ul>
      ...
    <ul/>
  </div/>
```

Explanation:

A similar `div` listing experience details, hidden by default.

Explanation:

- **tablinks:** Selects all tab link elements.
- **tabcontents:** Selects all tab content elements.
- **opentab():**
 - Removes active-link from all tab links.
 - Removes active-tab from all tab contents.
 - Adds active-link to the clicked tab.
 - Adds active-tab to the corresponding content div.

Tab Script

Copy code 

Javascript

```
var tablinks =
document.getElementsByClassName("tab-link
                        ;s")
var tabcontents =
document.getElementsByClassName("tab-cont
                        ;ents")

} function opentab(tabname)
} for(tablink of tablinks)


;tablink.classList.remove("active-link")
{

} for(tabcontent of tabcontents)
tabcontent.classList.remove("active-tab")
;
{

event.currentTarget.classList.add("active
                        ;-link")

document.getElementById(tabname).classLis
                        ;t.add("active-tab")
{
```

Title

Copy code 

Html


```
<"div class="title">
<h2>Our Services</h2>
<div/>
```

Explanation:

A container `div` holding the section title.

- `h2` is used as a subheading for the services part of the website.

6. Services Section

Copy code 

Html

```
<"div id="service">
```

Explanation:

A `div` with `id service` to mark the services section – so it can be targeted with links or CSS.

Explanation:

- `div class="card"`: A single card element.
- `<i class='bx bx-menu'>`: Boxicons icon (a menu icon in this case).
- `<h5>`: Title of the service.
- `div class="pra"`: A div wrapping the description.
- First `<p>`: Service description.
- Second `<p>`: Contains a centered Read More link styled as a button.

Each Service Card

Card 1

Copy code 

Html

```
<"div class="card">
  <i class='bx bx-menu' ></i>
  <h5>Web Development</h5>
  <"div class="pra">
    p> Lorem ipsum dolor sit>
                                <amet...</p>
    p style="text-align:>
                                <"center
    a class="button">
                                <href="#">Read More</a
                                <p/>
                                <div/>
                                <div/>
```

7. Contact Me Section

Copy code 

Html

```
<"div class="contact-me">
```

Explanation:

A `div` element with the class `contact-me` — this is the section where you encourage visitors to contact you.

Copy code 


Html

```
p>Let Me Get You A Beautiful WebSite.</>
<p
```

Explanation:

A paragraph element acting as a call-to-action (CTA) sentence, inviting visitors to let you build a website for them.

Card 2 and Card 3

Copy code 

Html

```
<"div class="card">
<i class='bx bx-user' ></i>
...
<div/>

<"div class="card">
<i class='bx bx-bell' ></i>
...
<div/>
```

Explanation:

They follow the exact same structure as Card 1, but with different icons (user and bell icons).

End of Contact Section


Copy code 

Html

```
<div/>
```

Explanation:

Closes the `contact-me` container.

Copy code 

Html

```
a class="button-two" href="#">Hire Me</>  
<a
```

Explanation:

An anchor tag (`a`) styled with the class `button-two`, acting like a button.

The link currently goes nowhere (`href="#"`), but it can be set to open an email, contact form, or external page.

Text inside the link says "**Hire Me**".

Copy code 

Html

```
<P>
For more HTML,CSS AND JS coding
tutorial-please
click on the link below to
:subscribe to my channel
<P/>
```

Explanation:

A paragraph inviting visitors to check out your tutorials and subscribe to your channel for more coding content.

Copy code 

Html

```
<"div class="social">
```

Explanation:

A container `div` with the class `social` to hold your social media links.

8. Footer Section

Copy code 

Html

```
<"footer id="#footer">
```

Explanation:

Defines the page's footer using the `<footer>` tag.

It has an `id` of `#footer`.

Note: Having `#` inside the `id` isn't standard — better to just use `id="footer"` without the `#`. But it still works here.

Copy code 

Html

```
<p>SHOHREH OKHRAVI</p>
```

Explanation:

A simple paragraph displaying your name as a signature or website owner mention.

Copy code 

Html

```
a href="#"><i class='bx bxl-facebook'></i>
<i></a>
```

Explanation:

An anchor tag (a) with an empty link (href="#") wrapping an <i> icon element. The icon class 'bx bxl-facebook' comes from **Boxicons** library and shows the Facebook icon.

Copy code 

Html

```
a href="#"><i class='bx>
<bxl-instagram'></i></a>
```

Explanation:

Same as above, this one shows the **Instagram icon** using 'bx bxl-instagram'.

Copy code 

Html

```
a href="#"><i class='bx bxl-facebook'></i>
<i></a>
```

Explanation:

An anchor tag (a) with an empty link (href="#") wrapping an <i> icon element. The icon class 'bx bxl-facebook' comes from **Boxicons** library and shows the Facebook icon.

Copy code 

Html

```
p class="end">CopyRight By Shohreh>  
<Okhravi</p>
```

Explanation:

A final paragraph with the class `end`, displaying a copyright.

Copy code 

Html

```
<footer />
```

Explanation:

Closes the entire footer section.


Copy code 

Html

```
a href="#"><i class='bx bxl-github'></>  
<i></a>
```

Explanation:

And this one shows the **GitHub icon** using `'bx bxl-github'`.

Copy code 

Html

```
<div />
```

Explanation:

Closes the social media icons container.
