

Portfolio Code Functions & Customization Guide

1. CSS Structure & Styling

Global Styles (Lines 9-18)

```
CSS

* {
  margin: 0;
  padding: 0;
  box-sizing: border-box;
}
```

What it does: Resets default browser styling for consistent appearance across browsers. **Safe to edit:** Don't change this - it's essential for layout consistency.

Body Styling (Lines 20-26)

```
CSS

body {
  font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
  line-height: 1.6;
  color: #333;
  background: linear-gradient(135deg, #667eea 0%, #764ba2 100%);
  min-height: 100vh;
}
```

What it does: Sets the overall page appearance, font, and background gradient. **Safe to edit:**

- Change `font-family` to any web-safe font
- Modify `color` for default text color
- Change `background` gradient colors (`#667eea` and `#764ba2`)

Navigation Styles (Lines 34-82)

What it does: Creates a fixed, semi-transparent navigation bar at the top. **Safe to edit:**

- Colors: `.logo` color, `.nav-links a` color and hover effects
- Spacing: `gap` in `.nav-links`, `padding` values
- Background: `nav` background color and transparency

Hero Section Styles (Lines 84-194)

What it does: Creates the main landing section with animated text and floating background. **Safe to edit:**

- Colors: text colors, button colors
- Text sizes: `font-size` values in `.hero h1`, `.hero .subtitle`
- Button styles: `.btn-primary` and `.btn-secondary` colors
- Animation timing: `animation` durations

2. JavaScript Functions

Smooth Scrolling Function (Lines 691-703)

javascript

```
document.querySelectorAll('a[href^="#"]').forEach(anchor => {
  anchor.addEventListener('click', function (e) {
    e.preventDefault();
    const target = document.querySelector(this.getAttribute('href'));
    if (target) {
      target.scrollIntoView({
        behavior: 'smooth',
        block: 'start'
      });
    }
  });
});
```

What it does: Makes navigation links scroll smoothly to sections instead of jumping. **Safe to edit:**

- Change `behavior: 'smooth'` to `'auto'` for instant jumping
- Modify `block: 'start'` to `'center'` or `'end'` for different positioning

Form Submission Handler (Lines 705-710)

javascript

```
document.querySelector('.contact-form').addEventListener('submit', function(e) {
  e.preventDefault();
  alert('Thank you for your message! I'll get back to you soon.');
```

`this.reset();`

```
});
```

What it does: Handles contact form submission with a simple alert. **Safe to edit:**

- Change the alert message text
- Replace `alert()` with custom modal or notification
- Add form validation before showing success message

Navigation Scroll Effect (Lines 712-720)

javascript

```
window.addEventListener('scroll', function() {  
  const nav = document.querySelector('nav');  
  if (window.scrollY > 50) {  
    nav.style.background = 'rgba(255, 255, 255, 0.98)';  
  } else {  
    nav.style.background = 'rgba(255, 255, 255, 0.95)';  
  }  
});
```

What it does: Changes navigation background opacity when scrolling. **Safe to edit:**

- Change `50` to adjust when the effect triggers
- Modify background colors and opacity values
- Add/remove other style changes (like shadow, size, etc.)

Intersection Observer Animation (Lines 722-742)

javascript

```
const observerOptions = {  
  threshold: 0.1,  
  rootMargin: '0px 0px -50px 0px'  
};  
  
const observer = new IntersectionObserver((entries) => {  
  entries.forEach(entry => {  
    if (entry.isIntersecting) {  
      entry.target.style.opacity = '1';  
      entry.target.style.transform = 'translateY(0)';  
    }  
  });  
}, observerOptions);
```

What it does: Animates sections as they come into view while scrolling. **Safe to edit:**

- Change `threshold: 0.1` (0-1) to adjust when animation triggers
- Modify `rootMargin` to change trigger distance
- Change animation properties (`opacity`, `transform`)

3. HTML Content Sections

Navigation Menu (Lines 476-487)

html

```
<ul class="nav-links">
  <li><a href="#home">Home</a></li>
  <li><a href="#about">About</a></li>
  <li><a href="#skills">Skills</a></li>
  <li><a href="#projects">Projects</a></li>
  <li><a href="#certifications">Certifications</a></li>
  <li><a href="#contact">Contact</a></li>
</ul>
```

Safe to edit:

- Add/remove menu items
- Change link text
- Modify href values (must match section IDs)

Hero Content (Lines 492-506)

html

```
<div class="hero-content">
  <h1>Jonard Cyrus Francisco</h1>
  <p class="subtitle">Computer Science Student & Developer</p>
  <p class="description">...</p>
  <div class="cta-buttons">
    <a href="#projects" class="btn btn-primary">View My Work</a>
    <a href="#contact" class="btn btn-secondary">Get In Touch</a>
  </div>
</div>
```

Safe to edit:

- Change name, subtitle, and description text
- Modify button text and links
- Add/remove buttons

Skills Grid (Lines 532-577)

Safe to edit:

- Change skill icons (emojis)
- Modify skill titles and descriptions
- Add/remove skill cards
- Reorder skills

Projects Grid (Lines 582-665)

Safe to edit:

- Change project icons, titles, and descriptions
- Modify technology tags
- Add/remove project cards
- Update project details

How to Replace Project Images:

Option 1: Replace with your own images

html

<!-- Change from this: -->

```
<div class="project-header">🧠</div>
```

<!-- To this: -->

```
<div class="project-header">
```

```
  
```

```
</div>
```

Option 2: Use background images

html

<!-- Change from this: -->

```
<div class="project-header"> </div>
```

<!-- To this: -->

```
<div class="project-header" style="background-image: url('path/to/your/image.jpg');" > </div>
```

Required CSS for Option 1 (add to your CSS):

CSS

```
.project-image {  
  width: 100%;  
  height: 100%;  
  object-fit: cover;  
  border-radius: 15px 15px 0 0;  
}
```

Required CSS for Option 2 (add to your CSS):

CSS

```
.project-header {  
  background-size: cover;  
  background-position: center;  
  background-repeat: no-repeat;  
}
```

Certifications (Lines 670-690)

Safe to edit:

- Update certification titles, issuers, and dates
- Add/remove certification cards
- Change layout or styling

Contact Information (Lines 696-732)

Safe to edit:

- Update contact details
- Change contact icons

- Modify contact methods
- Add/remove contact items

4. Customization Tips

Colors

The main color scheme uses:

- Primary: #764ba2 (purple)
- Secondary: #667eea (blue)
- Gradients: linear-gradient(135deg, #667eea 0%, #764ba2 100%)

To change colors:

1. Find and replace these hex codes throughout the CSS
2. Update gradient colors
3. Maintain contrast for readability

Fonts

Current font stack: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif

To change fonts:

1. Replace in the body CSS rule
2. Consider web-safe fonts or Google Fonts
3. Test across different devices

Animations

Animation timings you can modify:

- animation: fadeInUp 1s ease - Change duration and easing
- transition: all 0.3s ease - Modify hover effect timing
- @keyframes - Create custom animations

Layout

Responsive breakpoints:

- @media (max-width: 768px) - Mobile styles
- Grid layouts use grid-template-columns - modify for different layouts

Icons

Currently using emoji icons. You can:

- Replace with FontAwesome icons
- Use SVG icons
- Keep emojis for simplicity

5. What NOT to Edit

1. **CSS Reset** - Leave the `*` selector alone
2. **Box-sizing** - Don't change `box-sizing: border-box`
3. **Core JavaScript functions** - The main logic should stay intact
4. **Responsive media queries** - Be careful with breakpoints
5. **Intersection Observer setup** - Complex animation system

6. Safe Customization Areas

1. **Colors and gradients** - Completely safe to change
2. **Text content** - All personal information
3. **Images/icons** - Replace with your own
4. **Button text and links** - Modify as needed
5. **Section order** - Rearrange sections in HTML
6. **Additional content** - Add new sections or cards
7. **Contact form fields** - Add/remove form inputs
8. **Social links** - Update with your profiles