

## # Personal Portfolio Website

\*\*ML / AI & Cloud Computing Portfolio\*\*

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This repository contains the source code for my personal portfolio website, built using \*\*HTML\*\*, \*\*CSS\*\*, and \*\*vanilla JavaScript\*\*. The site presents my professional background, technical skills, and project portfolio across \*\*Data Science, Web Applications, Cloud Projects, and AI Applications\*\*, with direct links to my GitHub and LinkedIn profiles.

The website is fully static, framework-free, and designed for deployment on platforms such as \*\*GitHub Pages\*\* or \*\*AWS S3 static website hosting\*\*.

### ## Features

- Single-page portfolio layout with clearly defined sections
- Sticky navigation bar with smooth scrolling behavior
- Scroll offset handling for accurate section alignment
- Interactive portfolio tiles with category-based navigation
- Clean, modern UI with neon-blue and purple visual theme
- Responsive layout for desktop and mobile devices
- External contact links with custom-designed icon tiles

### ## Technology Stack

- \*\*HTML5\*\* – semantic structure and accessibility

- **CSS3** – layout, typography, gradients, and animations
- **JavaScript (vanilla)** – navigation logic and scroll behavior
- **Google Fonts** – Inter and Poppins

## **## Project Structure**

All images are referenced using relative paths to ensure compatibility with static hosting environments.

## **## Image Assets and Usage**

### **### Branding & Identity**

- **Logo.png**

Used as the site logo and visual identity element.

- **ProfessionalPhoto.jpg**

Displayed in the hero section to present a professional introduction.

### **### Portfolio Category Tiles**

Each tile visually represents a major project category and links to corresponding GitHub repositories or sections:

- **DataScience.png** – Data Science projects
- **WebApps.png** – Web application projects
- **CloudProjects.png** – Cloud and AWS-based projects
- **AI.Apps.png** – AI and ML application projects

- **Docker.png** – Containerization and DevOps-related work

### ### Contact & External Links

Custom-designed icons are used for direct contact and professional networking:

- **Linkedin.png** – Links to LinkedIn profile
- **GitHub.png** – Links to GitHub profile
- **email.png** – Email contact link

These icons are used consistently across the contact section and footer.

### ## File Breakdown

#### ### `index.html`

Defines the full layout and content structure of the website, including:

- Navigation bar and hero section
- About and skills sections
- Portfolio tile grid
- Contact links and footer

Each section is assigned a unique ID to support accurate scrolling and navigation behavior.

#### ### `style.css`

Controls the complete visual presentation of the site, including:

- Global styles and typography

- Gradient backgrounds and color themes
- Layout using Flexbox and CSS Grid
- Tile hover effects and transitions
- Scroll-margin adjustments for anchored navigation
- Responsive breakpoints for different screen sizes

### ### `script.js`

Implements client-side interactivity:

- Smooth scrolling with offset correction for sticky navigation
- Active navigation state updates during scrolling
- Scroll-based content reveal animations using the Intersection Observer API

All logic is written in plain JavaScript with no external dependencies.

## ## How to Run Locally

### ### Option 1: Open Directly

1. Clone or download the repository.
2. Open `index.html` in a web browser.

### ### Option 2: Local Server (Recommended)

Using Python:

```
```bash
```

```
python -m http.server 5500
```