

Virtual CV Documentation

Project Title: Sifiso Ngobese – Virtual CV Portfolio

Developer: Sifiso Ngobese

Platform: Netlify

1. Purpose

The purpose of this Virtual CV (V-CV) is to present my academic and technical background, highlight my skills and projects, and provide potential employers or collaborators with an interactive, visually appealing, and professional online portfolio.

2. Main Sections and Features

2.1 Hero Section

- Displays a **profile picture (logo)** and **name/title**.
- Title: *Software Developer | Creative Technologist | Problem Solver*
- Uses `flexbox` for layout and media queries for responsiveness.

2.2 About Me

- Short paragraph introducing who I am.
- Describes career goals and technical interests.

2.3 Resume / CV

- Lists education, certifications, and work-related achievements.
- Optionally links to a downloadable PDF version.

2.4 Projects

- Lists key projects with:
 - Title and brief description.
 - External link to **GitHub repository**.
 - Opens links in a **new tab** for better user experience (`target="_blank"`).

2.5 Skills

- Shows technical skills using icons and labels:
 - C++, C#, Python, Microsoft Office Suite, Git, Java, HTML5, SQL,
- Uses Font Awesome icons for visuals.

◆ 2.6 Contact Information

- Contact email and social media icons (e.g., Twitter/X, Facebook).
 - Includes “Follow me” prompt.
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3. 🌐 Technologies Used

Technology	Purpose
HTML5	Structure of the web page
CSS3	Styling and layout
Font Awesome	Icons for social links and skills
JavaScript	Dark mode toggle functionality
Netlify	Hosting the website
Responsive Design	Ensures mobile-friendliness

4. 🧠 Innovative Features

- **Dark Mode Toggle** with animation.
 - **Responsive Layout** optimized for phones, tablets, and desktops.
 - Floating toggle button disappears on scroll to reduce clutter.
 - A downloadable PDF version of the CV linked to my Google drive for easy access.
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5. 🎨 Visual Design

- Clean, minimalist layout.
 - Consistent font and spacing.
 - Blue banner theme with white text for contrast.
 - Icons enhance scanning and understanding without overwhelming.
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6. 📱 Compatibility & Navigation

- Fully responsive on:
 - Chrome (mobile/desktop)
 - Firefox
 - Safari
 - Navigation is intuitive and organized by sections.
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7. Accessibility & Best Practices

- Semantic HTML used (e.g., <section>, <header>, <main>).
 - Links include descriptive text.
 - Color contrast meets accessibility standards.
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8. Project Structure

```
project-folder/
├── index.html           # Main HTML file
├── style.css            # All CSS styling
├── script.js           # Dark mode toggle, future JS
├── images/
│   └── logo.png/yourphoto.png # Profile logo, profile photo
└── README.md           # Project documentation
```

9. Future Improvements

- Add a downloadable PDF version of the CV.
 - Integrate a contact form (emailJS or similar).
 - Add animation to project cards on hover.
 - Overall layout improvements.
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10. Deployment

- Hosted on GitHub Pages:
cheerful-sifiso-ngobese-92d197.netlify.app