nokwanda buthelezi’s portfolio documentation

**1. Overview**

This is a personal portfolio website for **Nokwanda Buthelezi**, showcasing my skills, projects, and contact information. The website features a modern, responsive design with smooth animations, interactive sections, and links to GitHub repositories and live demos for showcased projects.

**Key Features:**

* Responsive and mobile-friendly layout
* Typing animation to highlight role (AI & Software Developer)
* Sections for About, Skills, Projects, and Contact
* Smooth scrolling and animations
* Integration of GitHub and live demo links for projects
* Downloadable CV
* Social media and contact links

**Technologies Used:**

* HTML5, CSS3, JavaScript
* Bootstrap 4
* jQuery, Owl Carousel, AOS (Animate On Scroll)
* Google Fonts (Poppins)
* Custom CSS for animations and hover effects

**2. Sections Description**

**2.1 Navbar**

* Responsive navigation bar that collapses into a hamburger menu on smaller screens.
* Links to main sections: Home, About, Projects, Contact.
* Implemented using Bootstrap classes with custom animations.

**2.2 Home Section**

* Hero section with full-screen slider using **Owl Carousel**.
* Typing animation (#typing-animation) highlights role dynamically.
* Background image and overlay for visual appeal.
* Script uses JavaScript setInterval for typing effect.

**2.3 About Section**

* Two-column layout:
  + Left: Profile image with overlay and rounded shadow effect.
  + Right: Description, education, and CV download button.
* Highlighted **education history** with clean bullet points.
* Downloadable CV linked to assests/Nokwanda\_cv.pdf.

**2.4 Skills Section**

* Displays **technical and soft skills**.
* Uses a grid layout with shadowed skill boxes.
* Categories:
  + Programming Languages: Python, C++, Java, JavaScript, HTML, CSS, SQL
  + Frameworks & Libraries: Django, Flask, React.js, Node.js, Bootstrap, TailwindCSS
  + AI & Data Science: Machine Learning, Deep Learning, TensorFlow, Keras, OpenCV, Pandas, NumPy
  + Databases: MySQL, SQLite3
  + Tools & Platforms: Git/GitHub, Streamlit, Figma, VS Code
  + Soft Skills: Problem Solving, Team Collaboration, Project Management, Communication

**2.5 Projects Section**

* Grid of project cards with **zoom effect on hover**.
* Each card contains:
  + Project image
  + Project title and description
  + GitHub and Live Demo links
* Projects included:
  + Sentiment Analysis
  + AI Resume Builder
  + AI Study Buddy
  + Apple Disease Detector
  + Adult Census Bias Model
  + SmartEdu Gr12 Content Creator
  + Plant Disease Detection
  + SmartEdu Online Tutor
  + Munchies (Clothing Web App)
  + SMS Spam Classifier

**2.6 Contact Section**

* Displays contact info in boxes with icons:
  + Address
  + Phone number
  + Email
* Social media links at the bottom (LinkedIn included)
* Uses Bootstrap grid for alignment and **AOS animations** for smooth effects.

**2.7 Footer**

* Simple footer displaying the current year dynamically using JavaScript.
* Includes a heart icon for design accent.