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How I used Bootstrap 5

Table of Contents

1 Report3

1 Report

Bootstrap 5 Components Used:

Navbar → Responsive top navigation bar with collapse menu for mobile devices.

Cards → Displayed each project with image, title, and description.

Carousel → Showcased multiple projects interactively.

Progress Bars → Showed skill levels visually.

Form and Buttons → Contact section with inputs and submit button.

Layout Structure:

Used Bootstrap containers (.container) for centralizing content.

Applied rows and columns (.row + .col-md-*) for responsive sections.

Used flex utilities (d-flex, justify-content-between) to align items.

Custom CSS:

Added custom font family: 'Segoe UI', sans-serif.

Rounded profile image with shadow.

Card images set to object-fit: cover to maintain aspect ratio.

Section scroll offset added for smooth navbar scrolling.

Challenges and Solutions:

Navbar collapse not working on mobile → Ensured Bootstrap JS bundle is included at the end of body.

Images stretching in cards → Used img-fluid and object-fit: cover to maintain aspect ratio.

Smooth scrolling to sections → Added scroll-margin-top in CSS for fixed navbar offset.

Learning Points:

Learned how to use Bootstrap grid system effectively for responsive design.

Explored Bootstrap utilities like spacing, flexbox, and text alignment.

Learned to integrate custom CSS without breaking Bootstrap layout.

Improved understanding of component-based design (Cards, Carousel, Progress Bars).