

BOOTSTRAP

1. What is Bootstrap?

- a. **Bootstrap** is a **popular front-end CSS framework** that helps you build **responsive, mobile-friendly websites** quickly.
- b. In simple words: **Bootstrap gives you ready-made design styles and layout tools.**

2. What Bootstrap provide?

1 Prebuilt UI Styles

You get classes ready for:

- Buttons
- Forms
- Cards
- Alerts
- Navbars

Example

```
<button class="btn btn-primary">Click Me</button>
```

2 Responsive Grid System

Bootstrap uses a 12-column grid to make layouts adjust to screen size automatically.

Example

```
<div class="row">  
  <div class="col-md-6">Left</div>  
  <div class="col-md-6">Right</div>  
</div>
```

Ready-to-Use Components

Bootstrap includes styled components like:

- Navbar
- Modal
- Carousel
- Dropdown
- Cards

Utility Classes

Quick helpers for spacing and alignment:

Class	Purpose
mt-3	margin-top
p-2	padding
text-center	center text
d-flex	flexbox

3. Why Developers Use Bootstrap

- ✓ Saves time
- ✓ No need to write CSS from scratch
- ✓ Responsive by default
- ✓ Consistent design

4. Bootstrap vs Plain CSS

Plain CSS	Bootstrap
Write everything yourself	Use ready classes
Takes more time	Fast development
Manual responsiveness	Built-in grid