

3. CSS - CASCADING STYLE SHEETS

What is CSS?

CSS makes websites look beautiful. If HTML is the skeleton, CSS is the clothes and makeup.

It controls colors, fonts, spacing, animations, and layouts.

Why is it Important?

- Makes websites attractive
- Creates responsive designs (works on all devices)
- Improves user experience
- Separates content (HTML) from styling (CSS)

CSS Concepts We Used:

1. COLORS & GRADIENTS

```
background: linear-gradient(135deg, #6366f1, #ec4899);
```

- Creates a smooth color transition
- Makes cards look modern

2. HOVER EFFECTS

```
.css-skill-card:hover {  
  transform: translateY(-8px);  
  box-shadow: 0 15px 30px rgba(0,0,0,0.15);}
```

- When mouse hovers over card, it lifts up
- Shadow appears underneath
- Makes it interactive and fun

3. TRANSITIONS & ANIMATIONS

transition: all 0.4s cubic-bezier(0.4, 0, 0.2, 1);

- Smooth movement from one state to another
- Feels natural and professional

4. CSS GRID

display: grid;

grid-template-columns: repeat(auto-fit, minmax(200px, 1fr));

- Automatically arranges cards in rows
- Responsive - adapts to screen size
- On desktop: 3 cards per row
- On mobile: 1 card per row

5. RESPONSIVE DESIGN

- Uses media queries to adapt to different screens
- Same content, different layouts
- Works on phones, tablets, desktops

Our Example: Farming Skills Cards

What We Did:

1. Created boxes with borders
2. Added icons inside boxes
3. Added hover animation (lift up + shadow)
4. Icon scales larger on hover
5. Cards arranged in responsive grid

6. Colors match agriculture theme (green for farming, blue for water, etc.)

CSS Properties Used:

- border-radius: Makes corners rounded
- box-shadow: Adds depth
- transform: Moves/scales elements
- opacity: Controls transparency
- z-index: Controls layering

Why This Matters:

CSS makes websites look professional and modern.

It also makes websites work on all devices (responsive design).

Good CSS = Happy users