

## MERN Stack Training

**Company:** Sensation Software Solutions  
**Student Name:** Gurvinder Singh  
**Training Duration:** 6 Months  
**Days:** 61

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## Objective of the Day

The objective of Day 61 was to **initialize the GadgetShop frontend project** using **React**, integrate **Tailwind CSS**, and set up **shadcn/ui** for consistent UI components.

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## Work Done on Day 61

### 1. Project Setup

```
# Create project folder
mkdir GadgetShop && cd GadgetShop

# Initialize React project with Vite
npm create vite@latest gadgetshop -- --template react

# Install dependencies
cd gadgetshop
npm install
```

### 2. Tailwind CSS Setup

```
npm install -D tailwindcss postcss autoprefixer
npx tailwindcss init -p
```

`tailwind.config.js:`

```
module.exports = {
  content: ["./index.html", "./src/**/*.{js,jsx}"],
  theme: {
    extend: {},
  },
  plugins: [],
}
```

`src/index.css:`

```
@tailwind base;
@tailwind components;
@tailwind utilities;
```

### 3. shadcn/ui Integration

```
npm install @shadcn/ui
```

- Tested integration with a simple **Button** and **Card**.
- 

## Hands-on Practice

- Created **Header component**

```
const Header = () => (
  <header className="flex justify-between p-4 shadow-md bg-white">
    <h1 className="text-xl font-bold">GadgetShop</h1>
    <nav>
      <ul className="flex gap-4">
        <li>Home</li>
        <li>Shop</li>
        <li>About</li>
        <li>Contact</li>
      </ul>
    </nav>
  </header>
);
export default Header;
```

- Simple **Hero section**

```
const Hero = () => (
  <section className="text-center py-20 bg-gray-100">
    <h2 className="text-4xl font-bold mb-4">Welcome to GadgetShop</h2>
    <p className="text-lg">Best gadgets at unbeatable prices</p>
  </section>
);
export default Hero;
```

- Verified **responsive design** across mobile, tablet, and desktop.
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## Conclusion

Day 61 completed the **project initialization**, Tailwind CSS configuration, and shadcn/ui setup. Basic components like **Header** and **Hero** are ready for further development.

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