


 React Dashboard Documentation

 Run This Project

 In the project root directory:

npm install (to install the node modules)

npm start




 The app will run at: <http://localhost:3001>


 Overview

This dashboard application is a customizable, responsive React-based interface that allows users to:

✓ View categorized dashboards (e.g., CSPM, CWPP)


✚ Add different types of widgets like:


-  Pie Chart
-  Bar Chart
-  Line Chart
-  Stat blocks
-  Empty message cards

 Filter widgets by time (24h, 7d, 30d)

 Search widgets by name

 Store widgets persistently using localStorage

 Enjoy a responsive and mobile-friendly experience

 Use an animated and collapsible sidebar

 Widget Types

1. Pie Chart

Displays categories and values using Recharts — great for breakdowns.

2. Bar Chart

Shows comparative values across categories.

3. Line Chart

Tracks trends over time or metrics.


4. Stat


Displays a key number with a description.






5. Empty


Shows a placeholder message (e.g., “No data available”).

Adding a Widget


 Click “Add Widget” under any dashboard section.





 A modal will appear with:

-  Type (pie, bar, line, stat, empty)
-  Name
-  For charts: Add label + value pairs
-  For stat: Enter value and description
-  For empty: Add a custom message

 The widget is saved and instantly displayed.

Time Filter

 Use the top-right dropdown to filter by:

-  All Time
-  Last 24 Hours
-  Last 7 Days
-  Last 30 Days



Widgets are filtered using their creation timestamp.

Search Feature

Type into the search bar to quickly filter widgets by name (case-insensitive).


Persistent Data

Your dashboard state is saved in localStorage:

-  Survives browser refresh
-  No need for a database

Responsive Design

Breakpoints supported:

-  360px – 576px: Mobile

- 📱 768px: Tablet
- 💻 992px, 1200px, 1400px: Desktop

Sidebar automatically collapses on small screens.

🎨 Animated Sidebar

🌀 Sidebar can be toggled with a button

✨ Built using CSS transitions or Framer Motion

🧰 Tech Stack

⚛️ React

📊 Recharts (for charts)

🎨 React Icons (UI icons)

💾 localStorage API

✍️ Responsive CSS with media queries

Sample Output:

