AI Usage Report

AI Tools Used

- **ChatGPT** – Used mainly for:

  - Envisioning architecture and deciding on tools/stack

  - Outlining steps to achieve the dashboard features

  - Debugging TypeScript and Next.js issues

  - Improving sorting/filtering logic

  - Adding logic for dark/light modes, transitions/animations, and live updates

- **Bolt.new** – Used for:

  - Generating initial boilerplate and scaffolding

  - Setting up a working environment quickly before moving the project to the local machine

- **Dribbble** – Used purely as visual inspiration for a clean, modern dashboard UI/UX.

- **Vercel** – Used for automated deployment and preview environments.

Bolt.new Prompts

1. *"Create a Next.js 14 dashboard (App Router) with Tailwind and shadcn/ui. Include a sidebar, top nav, KPI cards, bar/line charts (Recharts), and a data table. Use dummy data."*

2. *"Add a Donut/Pie Chart for user growth sources with data like '60% of new users came from organic traffic'"*

3. *"Add branding: title 'ADmyBRAND Insights' with a colorful logo, sortable columns (revenue/date), and search by customer or email"*

4. *"Enhance the data table with CSV and PDF export buttons (using papaparse and jsPDF)"*

ChatGPT Prompts

1. *"Plan an analytics dashboard with KPIs, charts, dark mode, and data table. Suggest the tools and folder structure to start with."*

2. *"Add hover animations to KPI cards and smooth transitions for table rows in Next.js with Tailwind"*

3. *"Fix TypeScript type errors for dynamic table data generation"*

AI vs Manual Work Split

- **AI-generated (≈ 70%)**

  - Initial component and folder structure

  - Early-stage architecture planning

  - Starter code for charts, tables, and sorting logic

- **Manual coding (≈ 30%)**

  - Installed and configured dependencies locally

  - Integrated CSV/PDF export, dark/light modes, transitions, animations, and live updates

  - Customized layout, colors, and overall design

  - Refined and adapted AI suggestions into final production code

- **Customization**

  - Significantly adapted AI-generated code to match personal coding style

  - Added custom features like live data updates every 10 seconds, table export, and improved UI responsiveness