

## AI Usage Report: ADmyBRAND Insights Dashboard

This report details the use of AI in the rapid development and successful deployment of the "ADmyBRAND Insights" dashboard project on Vercel.

### AI Tools Used

- **Primary tools:** **Google's Gemini Pro 2.5** (providing logic, code, and guidance) in conjunction with **Cursor AI** (as the development environment).
- **Key use cases:**
  - **End-to-End Code Generation:** Generated all code for React components, utility files, and data structures.
  - **Interactive Tutoring & Scaffolding:** Provided a conversational, step-by-step guide for building the application from scratch.
  - **Advanced Debugging:** Diagnosed and provided precise fixes for multiple production build failures, type errors, and runtime bugs.
  - **Iterative UI/UX Refinement:** Acted as a design partner, proposing and implementing multiple UI revisions based on user feedback, such as creating the final tabbed interface.
  - **Documentation & Deployment Guidance:** Wrote the complete README.md file and provided a step-by-step guide that led to a successful deployment on **Vercel**.

### Sample Prompts (Examples from our session)

1. **Complex Feature Implementation:** "I want to make the dashboard interactive. When a user clicks on a bar in the 'Sales by City' chart, can you update the 'Recent Sales' list to show only sales from that clicked city? This will require managing state on the main page and passing handlers and props between components."
2. **Specific Debugging Request:** "My Vercel build is failing with the error Type error: Property 'city' does not exist on type 'BarRectangleItem' in my bar-chart.tsx file on the onClick handler. What does this mean and how do I fix the code?"
3. **Subjective UI/UX Refinement:** "The side-by-side layout for the bar chart and recent sales list still isn't responsive on tablets. Remove this layout entirely and replace it with a better, more professional solution that saves space."

### AI vs Manual Work Split

- **AI-generated: 95%**
  - All application logic, component JSX/TSX, styling (Tailwind CSS classes), and feature implementation.
  - Architectural decisions, such as using a tabbed interface for better responsiveness.
  - All code fixes for bugs and build errors.
  - The complete README.md and deployment instructions.

- **Manual Work / Human Input: 5%**
  - **Project Execution:** Running all CLI commands (npm, git, npx) provided by the AI.
  - **Integration:** Acting as the "hands" of the project by integrating the AI-generated code into the local development environment via **Cursor AI**.
  - **Quality Assurance & Testing:** Running the application, testing features on different devices, and identifying bugs or areas where the UI/UX did not meet expectations.
  - **High-Level Direction & Feedback:** Providing the initial project brief and, most importantly, giving the critical feedback that guided the iterative design process.
- **Customization:** The final polished state of the dashboard is a direct result of a collaborative customization loop. The AI would generate a solution, and the user's feedback would serve as the prompt for the next, more refined iteration. The localization to an Indian context and the final tabbed layout were key user-directed customizations implemented by the AI.