**📘 Frontend Dev Assignment Submission**

**Project: Responsive Dashboard with News and Payout Features**

**Github:** [**https://github.com/harshavardhan-9/news-blog**](https://github.com/harshavardhan-9/news-blog)

**🔖 Overview**

This project is a fully responsive dashboard built using **Next.js 14**, **TypeScript**, and **Tailwind CSS**.  
It provides an interface to:

* Display and filter news articles
* Authenticate users
* Track author payouts
* Export payout reports

Admins can manage payout rates, and analytics are provided through graphical charts. The app also supports dark mode and graceful error handling.

**⚙️ Tech Stack**

* **Frontend Framework**: Next.js 14 (App Router)
* **Language**: TypeScript
* **Styling**: Tailwind CSS
* **Authentication**: Clerk
* **State Management**: Zustand
* **UI Components**: Radix UI
* **Charts**: Chart.js
* **Forms**: React Hook Form
* **Data Fetching**: Axios
* **Date Handling**: date-fns
* **Exporting**: jsPDF, react-csv

**✅ Features Implemented**

1. **User Authentication**  
   🔐 Secure login via Clerk (email/password & social login supported)
2. **News API Integration**  
   📰 Fetches real-time data from a third-party News API
3. **Filtering and Search**  
   🔍 Filter by author, type, and date range; global keyword search included
4. **Responsive Design**  
   📱 Mobile-first, adaptive layout using Tailwind CSS
5. **Payout Calculator**  
   💰 Admins can define payout per article; app auto-calculates total payout
6. **Export Functionality**  
   📤 Export data as PDF or CSV (Google Sheets planned)
7. **Analytics Dashboard**  
   📊 Charts showing article trends by author and type
8. **Error Handling**  
   🚫 Graceful fallback if API is unreachable (user message displayed)

**🌙 Bonus Features**

* Dark Mode support
* Offline mode using localStorage
* High performance scores targeted (Lighthouse: performance, SEO, accessibility)

**📁 Folder Structure (Simplified)**

newsblog/

- .env.local

- pages/

- app/

- components/

- hooks/

- utils/

- public/

- styles/

- tailwind.config.ts

- tsconfig.json