📧 Gmail Clone

A modern, responsive Gmail clone built using **React**, **Redux**, and **Firebase**. This project replicates the core functionality and UI of Gmail including Google Sign-In, Compose Mail, Real-time Mail Updates, Search Functionality, and a Responsive Sidebar.

🚀 **Live Demo:** https://clone-4fdad.web.app/

🛠️ Features

- 🔐 Google Authentication via Firebase
- 📨 Compose and Send Emails
- 📂 Inbox, Starred, Drafts, Sent, Snoozed Sections
- 🔍 Real-time Search (by subject, recipient, or message)
- 🛰️ Real-time Sync with Firestore Database
- 🎨 Responsive and Clean UI using TailwindCSS
- 🔄 Redux Toolkit for global state management

💼 Tech Stack

Technology	Description
React	UI Library
Redux Toolkit	State Management
Firebase	Backend, Auth, Firestore
TailwindCSS	Styling Framework
React Icons	UI Icons

🔐 Firebase Configuration

Make sure to add your own Firebase config in `firebase.js`:

```
const firebaseConfig = {
  apiKey: "AIzaSyAvIGOFUuqnd06hoj4e668uYS0j9y3jIYw",
  authDomain: "clone-4fdad.firebaseapp.com",
  projectId: "clone-4fdad",
  storageBucket: "clone-4fdad.firebasestorage.app",
  messagingSenderId: "623619822839",
  appId: "1:623619822839:web:5a8c5bc942400e538e6ff2",
  measurementId: "G-8VKK5EGPPV"
};

  🧩 Learnings
```

Through this project, I improved my skills in:

Firebase Authentication and Firestore usage

Redux Toolkit for efficient state handling

Tailwind CSS utility-first styling

Real-time UI updates via Firestore's onSnapshot

Error handling and cleaner component structures in React

```
📂 src
 ├ 📂 components
 │ ├ 📄 Navbar.jsx
 │ ├ 📄 Sidebar.jsx
 │ ├ 📄 Messages.jsx
 │ └ 📄 Message.jsx
 ├ 📂 redux
 │ └ 📄 appSlice.js
 ├ 📄 firebase.js
 ├ 📄 App.jsx
 └ 📄 main.jsx
```

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