**Let Us Chat- mobile app 1.0**

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Let Us Chat is a cross-platform centralized messaging service with in-built encryption mechanisms to ensure a secure environment for the users. React-Native is an user friendly application with expo level interaction mechanisms which ensures smooth functioning inside the chat.

The overwhelmed state of the current health-care system in India has left millions of Indians scrambling for health-care resources such as availability of beds, blood, O2 etc. Hence this app aims to equip them with necessary information by connecting the people in need and the people equipped with these resources or have verified information about the requirements.

Modules:

* **Google Auth Sign-In**: Since sensitive information is being passed, verified Google users will be allowed to signup.
* **Broadcast mode** — Go into the Broadcast section and send messages to every “LET US CHAT” user around you at the same time, even if you don’t have them on your contacts list.
* **Dynamic Channel Creations** : The requirements during this time is extremely diverse and to avoid chaos by sharing multi-themed messages in a single channel, users can create real time channels and use it to share the necessary information.
* **Firebase Encryption and Auth** : To maintain security , these broadcasted messages are encrypted and securely stored in an admin verified real-time database.

It uses **React Native** which is an open-source mobile application framework created by Facebook, Inc. It is used to develop applications for Android, Android TV, iOS, macOS, tvOS, Web, Windows and UWP by enabling developers to use **React**'s framework along with **native** platform capabilities.

It also uses a 3rd party app called EXPO. **Expo** is an open-source platform for making universal native apps for Android, iOS, and the web with JavaScript and React.

Results: [Link to GoogleDrive(Output)](https://drive.google.com/drive/folders/1ZIeJzWQukpoRU9B4faRub8mxNaapYF3w?usp=sharing) [Link to GITHUB repository](https://github.com/nauvyashree/LetChat)