

# **Google Developers Students Club - Android camping**

## **Whatsapp Clone App**

### **Problem Statement**

**I**n general, it is well-known that smartphone usage influences user privacy. As phones tend to remain on, their usage patterns provide deep insights into their owners' lives. With this project, we aim to raise awareness of the fact that this is particularly true for messenger apps.

While the upload of users' address books has, so far, been the main concern with messenger apps, we will shed light on the more subtle privacy implications of unintentional system leaks. These are inherent side effects of using a specific messenger service.

One of the most popular — and, at the same time, probably the most underestimated privacy-related system leak — is the user's presence status. Popular messenger apps like WhatsApp or Telegram display the current "online" status of a contact whenever a contact opens the messenger app while connected to the Internet. Moreover, a "last seen" timestamp is displayed for each contact. This refers to the time the user was last connected.

### **Functionality & Concept used**

WhatsApp is free to download messenger app for smartphones. WhatsApp uses the internet to send messages, images, audio or video. The service is very similar to text messaging services, however, because WhatsApp uses the internet to send messages, the cost of using WhatsApp is significantly less than texting

### **Application Link & Future Scope**

#### **Application Link**

#### **Future Scope**

- Real-Time Database
- Cloud Functions
- GraphQL, Rest & SDK
- Authentication
- File Storage
- Blockchain Storage
- Notifications