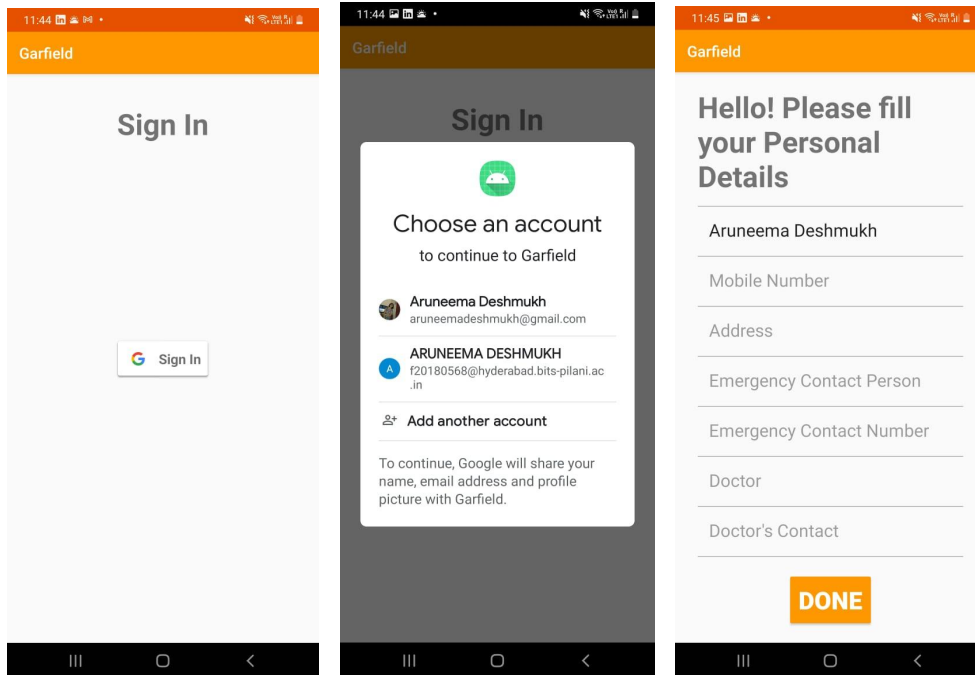


## Frontend of the Android app

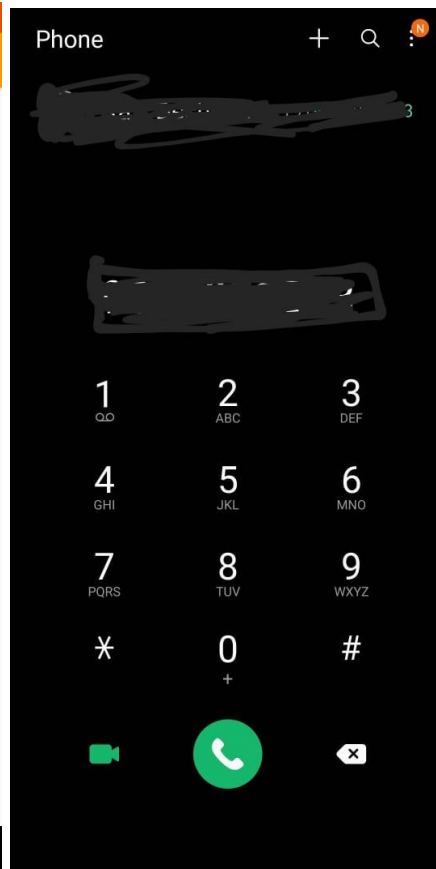
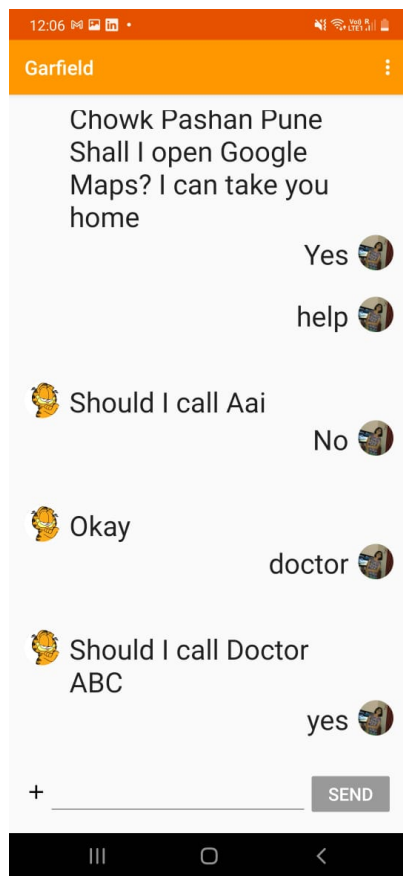
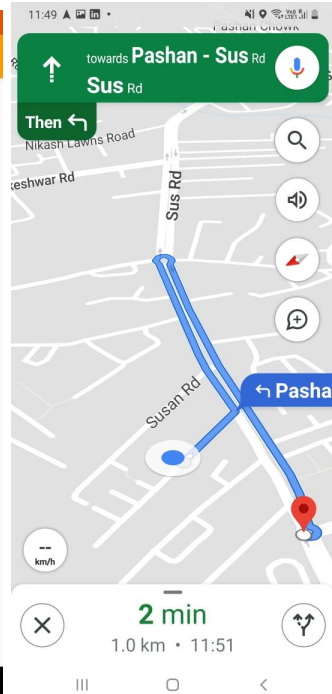
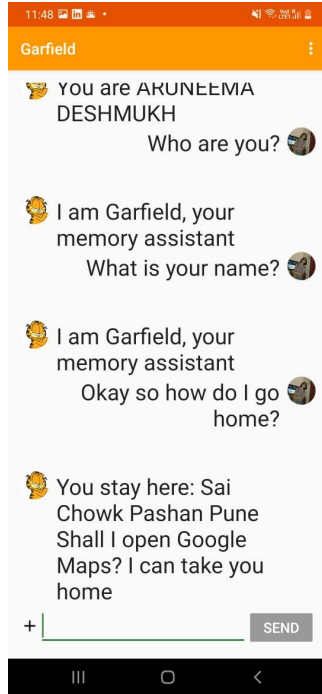
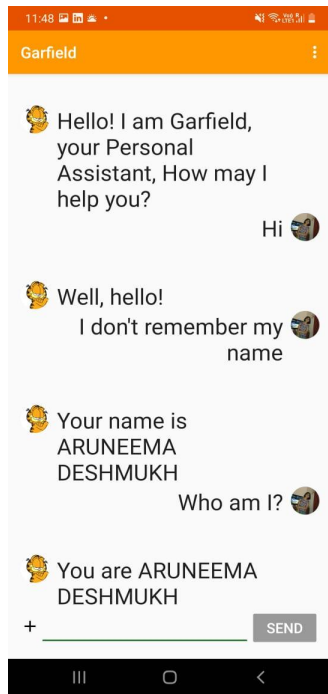
### 1) Sign In

- SignInActivity.java & AccountDetailsActivity.java
- Class PersonalDetails.java stores the details entered while account creation and sends it to Firebase Realtime Database
- Firebase is also used for user Authentication

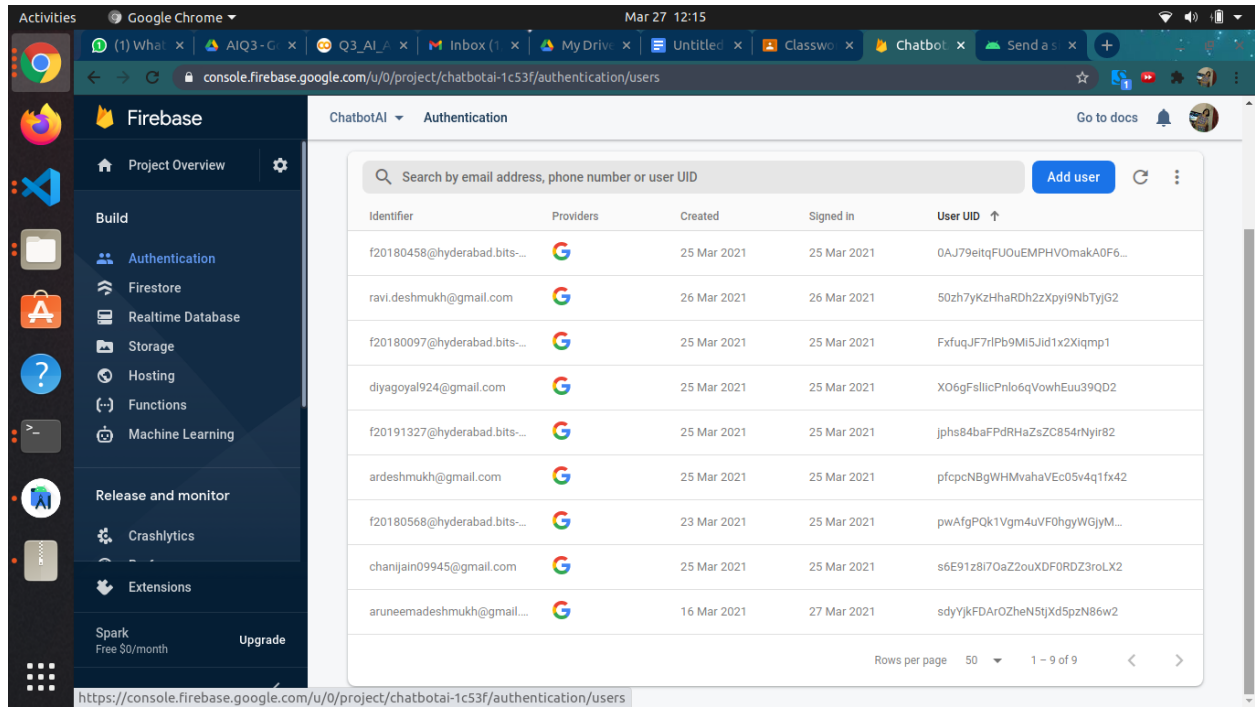


### 2) Main Activity (Chatbot Screen)

- MainActivity.java
- MessageViewHolder.java to show messages
- Class Chatbot.java to store message info like Username, text
- Intents to open Map and Phone App
- Volley library to send POST request to API at "https://garfieldapi.herokuapp.com"

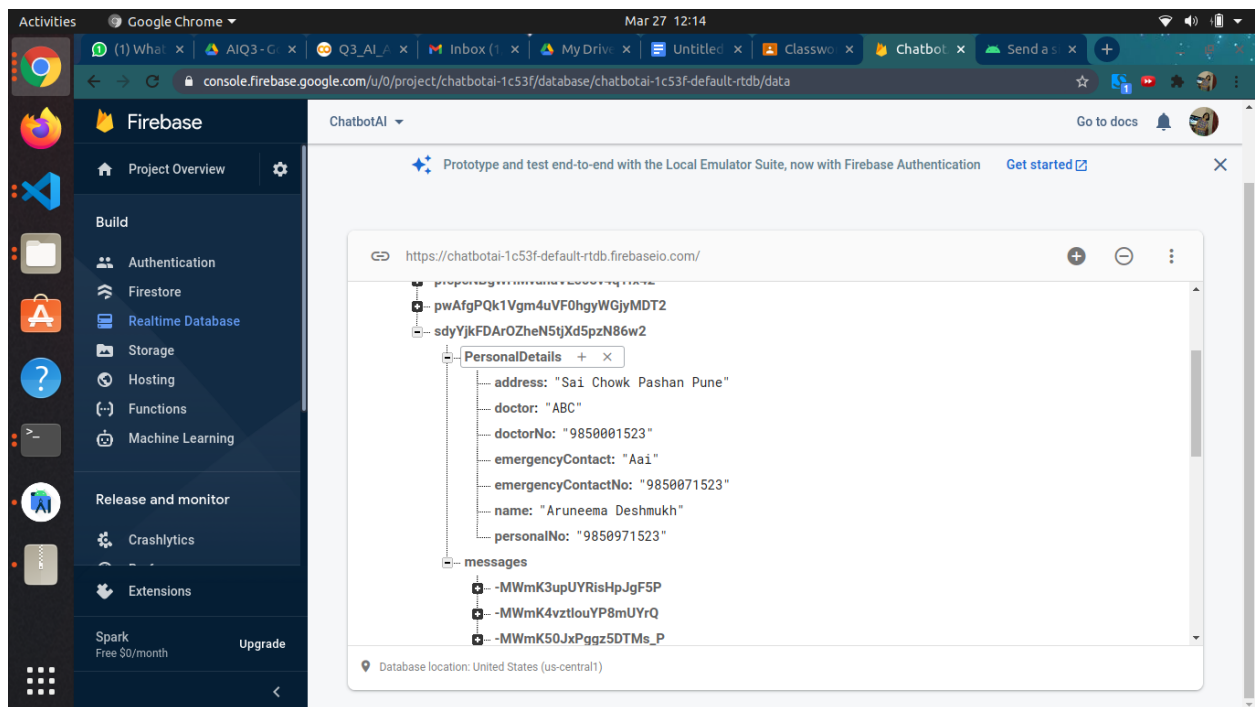
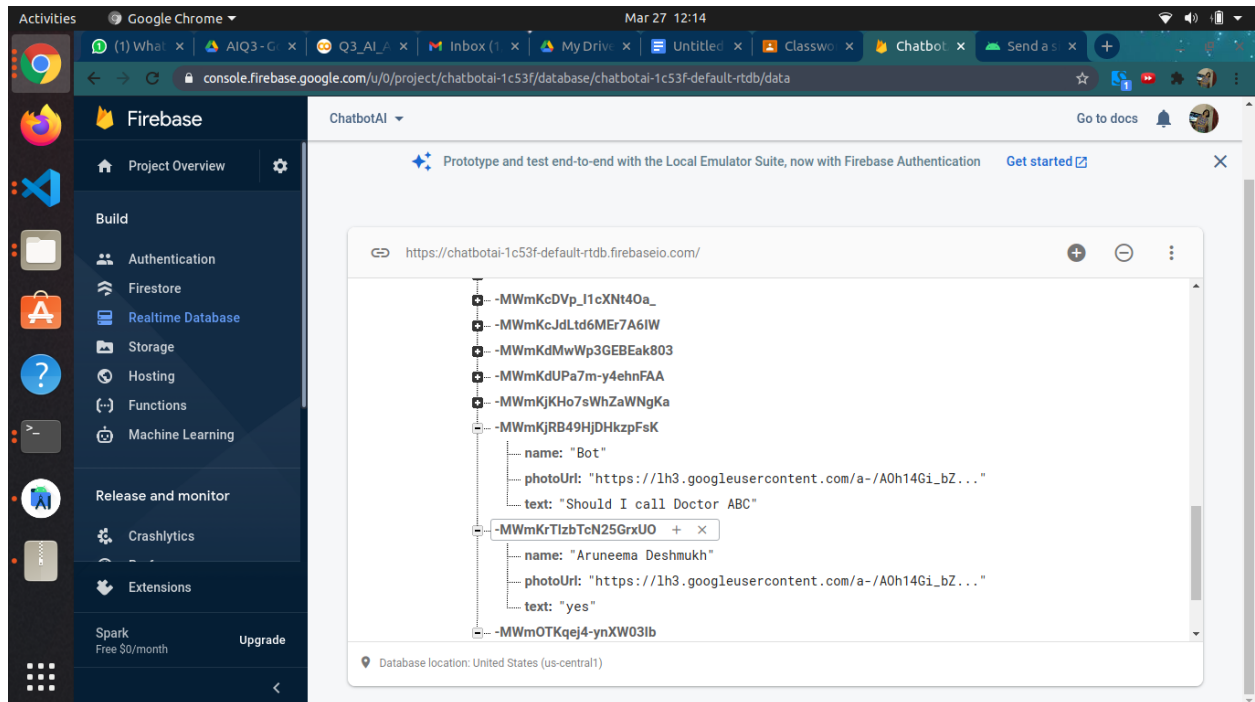


## 2) Real Time Database & User Auth



The screenshot shows the Firebase Authentication console in a web browser. The left sidebar contains the Firebase logo and navigation links for Project Overview, Build (Authentication, Firestore, Realtime Database, Storage, Hosting, Functions, Machine Learning), Release and monitor (Crashlytics, Extensions), and Spark (Free \$0/month, Upgrade). The main content area is titled 'Authentication' and features a search bar with the placeholder 'Search by email address, phone number or user UID' and an 'Add user' button. Below the search bar is a table listing users with columns for Identifier, Providers, Created, Signed In, and User UID. The table contains 9 rows of user data. At the bottom right of the table, it says 'Rows per page 50' and '1 - 9 of 9'.

Identifier	Providers	Created	Signed In	User UID
f20180458@hyderabad.bits...	Google	25 Mar 2021	25 Mar 2021	0AJ79eltqFU0uEMPHV0makA0F6...
ravi.deshmukh@gmail.com	Google	26 Mar 2021	26 Mar 2021	50zh7yKzHhARDh2zXpyi9NbTyjG2
f20180097@hyderabad.bits...	Google	25 Mar 2021	25 Mar 2021	FxfuqJF7rIPb9Mi5Jld1x2Xiomp1
diyagoyal924@gmail.com	Google	25 Mar 2021	25 Mar 2021	XO6gF8llicPnlo6qVowhEuu39QD2
f20191327@hyderabad.bits...	Google	25 Mar 2021	25 Mar 2021	jphs84baFPdRHaZsZC854rNyir82
ardeshmukh@gmail.com	Google	25 Mar 2021	25 Mar 2021	pfpcpNBgWHMvahaVEc05v4q1fx42
f20180568@hyderabad.bits...	Google	23 Mar 2021	25 Mar 2021	pwAfgPQk1Vgm4uVF0hgyWGjyM...
chanjain09945@gmail.com	Google	25 Mar 2021	25 Mar 2021	s6E91z8I7OaZ2ouXDF0RDZ3roLX2
aruneemadeshmukh@gmail...	Google	16 Mar 2021	27 Mar 2021	sdyYjkFDArOZheN5tjXd5pzN86w2



Database can be exported in JSON file format

"sdyYjkFDArOZheN5tjXd5pzN86w2" : {

"PersonalDetails" : {

```
"address" : "Sai Chowk Pashan Pune",
"doctor" : "ABC",
"doctorNo" : "9850001523",
"emergencyContact" : "Aai",
"emergencyContactNo" : "9850071523",
"name" : "Aruneema Deshmukh",
"personalNo" : "9850971523"
},
"messages" : {
  "-MWmK3upUYRisHpJgF5P" : {
    "name" : "Bot",
    "photoUrl" :
"https://lh3.googleusercontent.com/a-/AOh14Gi_bZ6EoiA4Fb288XzaX0R8kmdTxV6r3FwbNPUh1w=s96-c
",
    "text" : "Hello! I am Garfield, your Personal Assistant, How may I help you?"
  },
  "-MWmK4vztlouYP8mUYrQ" : {
    "name" : "Aruneema Deshmukh",
    "photoUrl" :
"https://lh3.googleusercontent.com/a-/AOh14Gi_bZ6EoiA4Fb288XzaX0R8kmdTxV6r3FwbNPUh1w=s96-c
",
    "text" : "Hi"
  },
}
```

## Backend of the Android app

Python web API using Flask and Heroku

<https://garfieldapi.herokuapp.com/> deployed to Heroku

```
@app.route('/', methods=['POST'])

def home():

    msg = (request.form['msg'])

    address = (request.form['address'])

    username = (request.form['username'])

    Doc = (request.form['d'])

    DocNo = (request.form['dn'])

    Emergency = (request.form['ec'])

    EmergencyNo = (request.form['ecn'])

    PersonalNo = (request.form['pn'])

    Response =
BOT(msg,username,address,Doc,DocNo,Emergency,EmergencyNo,PersonalNo)

    return Response
```

Response is obtained using AIML and Python

```
kernel.respond(user_input)
```