

# Lab Report 2 : Createing a personalized visiting card app using implicit intent

Course Title: Mobile Application Development

Course Code: CSE-410



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## Submitted to:

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## GitHub Repository:

You can find the repository at the following link:

[https://github.com/RubayedMunna/Android-Lab/tree/main/Lab\\_4](https://github.com/RubayedMunna/Android-Lab/tree/main/Lab_4)

Code:

### activity\_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/
    android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/main"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity"
    android:orientation="vertical"
    android:layout_marginTop="250dp"
    android:layout_marginBottom="330dp"
    android:background="@color/cardview_shadow_start_color"
    >

    <LinearLayout
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:orientation="horizontal">

        <ImageView
            android:layout_width="150dp"
            android:layout_height="wrap_content"
            android:layout_marginTop="20dp"

            android:src="@drawable/rubayedimage" />

        <LinearLayout
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:orientation="vertical"
            android:layout_marginLeft="20dp"
            android:layout_marginRight="20dp">

            <TextView
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:text="Rubayed All Islam"
                android:layout_weight="1"
```

```
        android:textSize="20sp" />

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Department: Computer Science and Engineering"
        android:layout_weight="1"
        android:layout_marginTop="10dp"
        android:textSize="15sp" />

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="@string/session"
        android:layout_weight="1"
        android:layout_marginTop="10dp"
        android:textSize="15sp" />

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="@string/reg_no"
        android:layout_weight="1"
        android:layout_marginTop="10dp"
        android:textSize="15sp" />

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="@string/hall"
        android:layout_weight="1"
        android:layout_marginTop="10dp"
        android:textSize="15sp" />

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="@string/blood_group"
        android:layout_weight="1"
        android:layout_marginTop="10dp"
        android:textSize="15sp" />
</LinearLayout>
</LinearLayout>

<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal"
    android:gravity="center"
```

```
android:layout_marginTop="20dp"
android:layout_marginLeft="20dp"
android:layout_marginRight="20dp">

<!-- Email Icon -->
<ImageButton
    android:id="@+id/email_button"
    android:layout_width="40dp"
    android:layout_height="40dp"
    android:src="@drawable/icon_email"
    android:contentDescription="@string/email"
    android:background="@android:color/transparent"
    android:layout_marginLeft="16dp"
    android:onClick="sendEmail"/>

<!-- Phone Icon -->
<ImageButton
    android:id="@+id/phone_button"
    android:layout_width="40dp"
    android:layout_height="40dp"
    android:src="@drawable/icon_phone"
    android:contentDescription="@string/phone"
    android:background="@android:color/transparent"
    android:layout_marginLeft="16dp"
    android:onClick="dialPhone"/>

<!-- Facebook Icon -->
<ImageButton
    android:id="@+id/facebook_button"
    android:layout_width="40dp"
    android:layout_height="40dp"
    android:src="@drawable/icon_facebook"
    android:contentDescription="@string/facebook"
    android:background="@android:color/transparent"
    android:layout_marginLeft="16dp"
    android:onClick="sendMessage"/>

<!-- WhatsApp Icon -->
<ImageButton
    android:id="@+id/whatsapp_button"
    android:layout_width="40dp"
    android:layout_height="40dp"
    android:src="@drawable/icon_whatsapp"
    android:contentDescription="@string/whatsapp"
    android:background="@android:color/transparent"
    android:layout_marginLeft="16dp"
    android:onClick="sendMessageWhatsapp"/>

<!-- LinkedIn Icon -->
<ImageButton
```

```
        android:id="@+id/linkedin_button"
        android:layout_width="40dp"
        android:layout_height="40dp"
        android:src="@drawable/icon_linkedin"
        android:contentDescription="@string/linkedin"
        android:background="@android:color/transparent"
        android:layout_marginLeft="16dp"
        android:onClick="viewLinkedIn"/>

        <!-- GitHub Icon -->
        <ImageButton
            android:id="@+id/github_button"
            android:layout_width="40dp"
            android:layout_height="40dp"
            android:src="@drawable/icon_github"
            android:contentDescription="@string/github"
            android:background="@android:color/transparent"
            android:layout_marginLeft="16dp"
            android:onClick="viewGithub"/>
    </LinearLayout>
</LinearLayout>
```

Listing 1: activity\_main.xml

## MainActivity.java

Listing 2: MainActivity.java

## strings.xml

```
<resources>
    <string name="app_name">Hotel_Information_System</string>
    <string name="show_hotels">Show Hotels</string>
    <string name="hotels">No hotel is selected</string>
    <string name="select_destination">Select a City</string>
    <string name="hotel_list">Available Hotels</string>

    <string-array name="destinations">
        <item>New York</item>
        <item>Paris</item>
        <item>Tokyo</item>
        <item>Dubai</item>
    </string-array>
</resources>
```

Listing 3: strings.xml

## textview\_background.xml

```
<shape xmlns:android="http://schemas.android.com/apk/res/android"
    >
    <solid android:color="@android:color/white" />
    <corners android:radius="8dp" />
    <stroke
        android:width="2dp"
        android:color="@android:color/darker_gray" />
</shape>
```

Listing 4: textview\_background.xml

**Output:**

Figure 1: Visiting Card

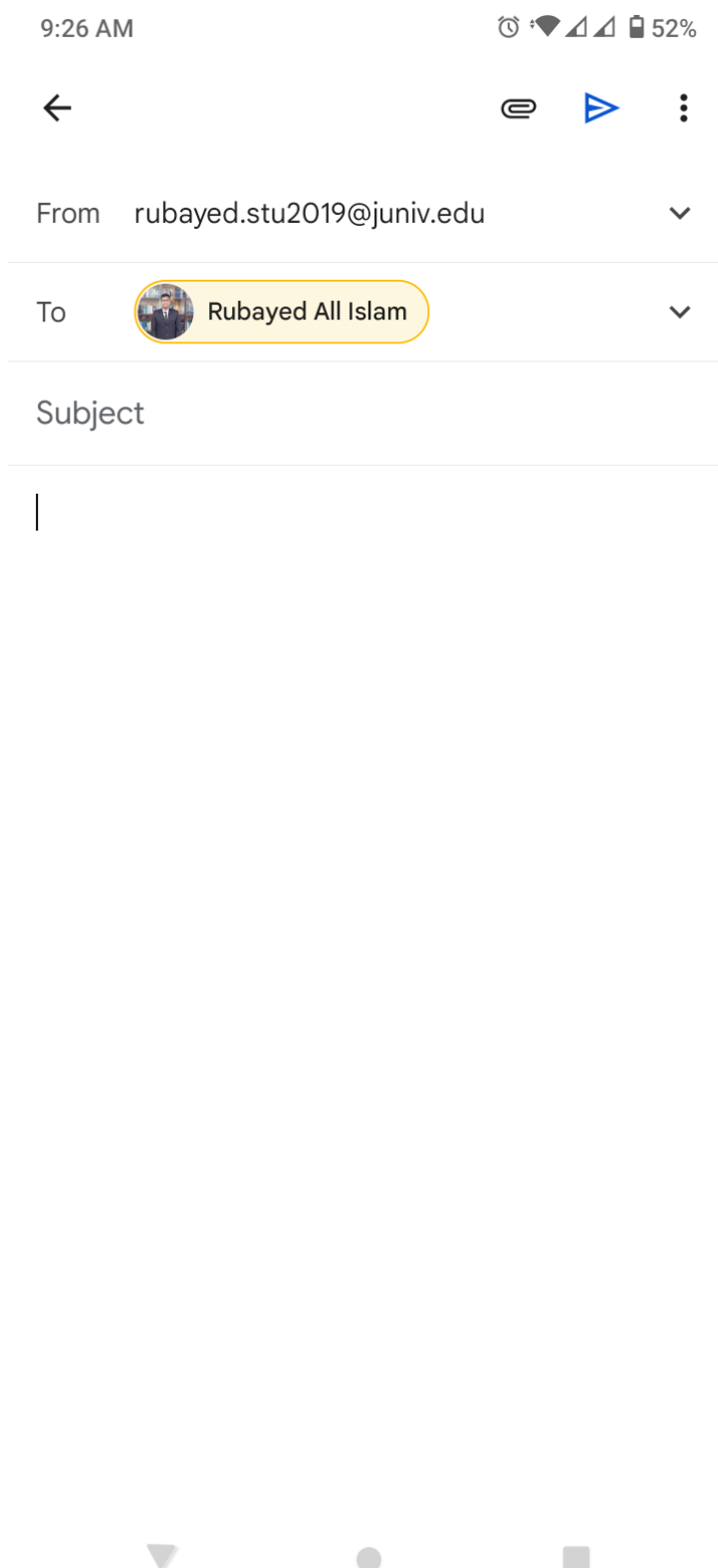


Figure 2: After clicking on email icon



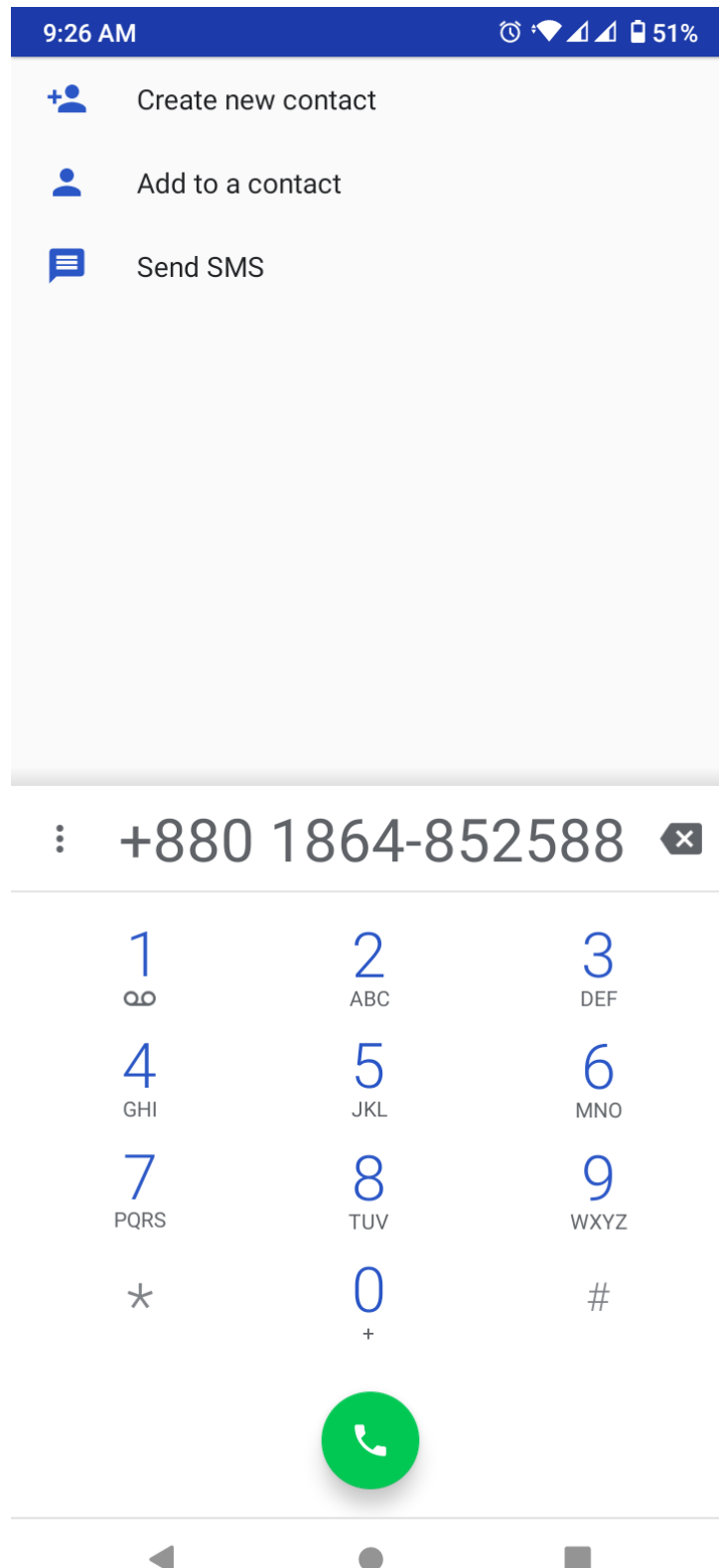


Figure 3: After clicking on dial icon

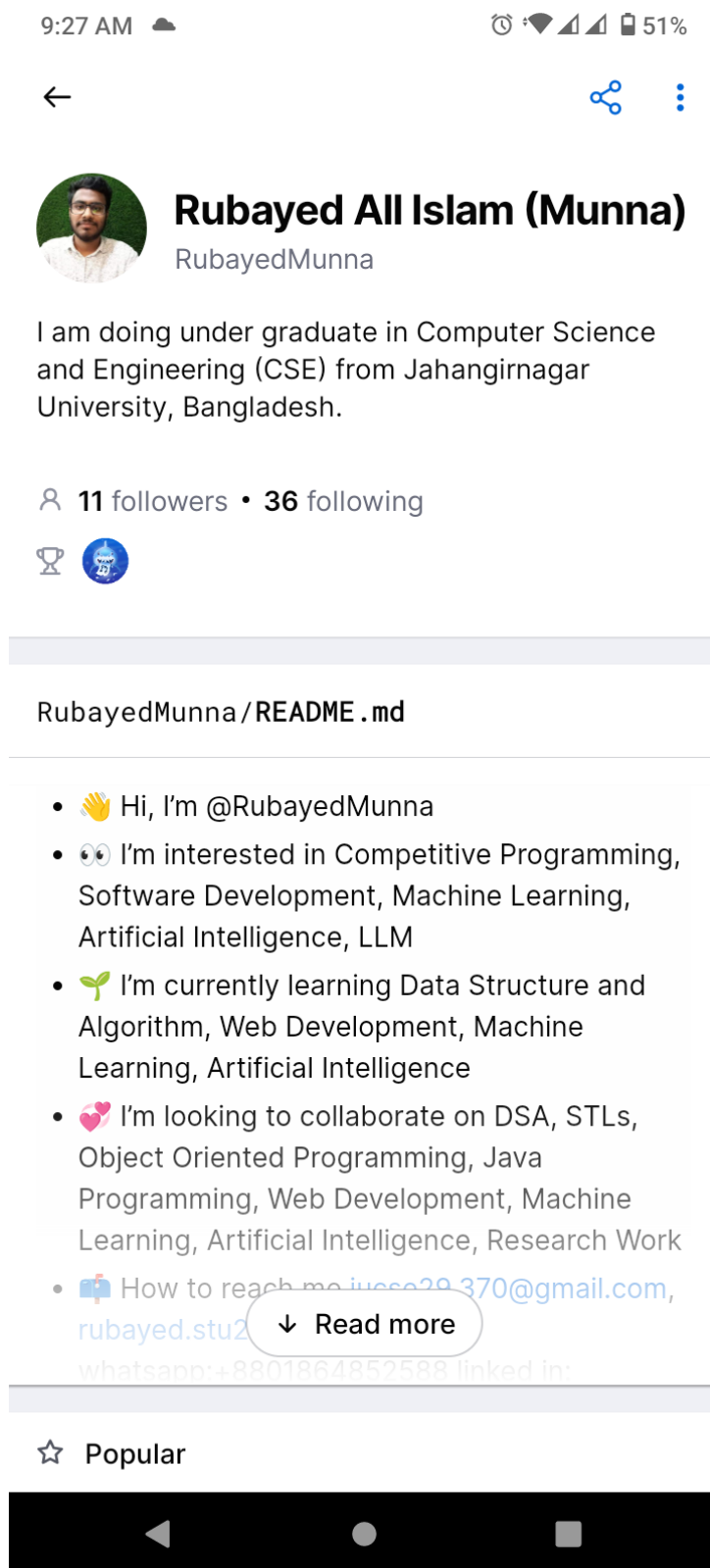


Figure 4: After clicking on Github icon