

XML Layout Code:

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    android:padding="20dp">
    <TextView
        android:id="@+id/tvName"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Gaurav Gujjar"
        android:textSize="22sp"
        android:textStyle="bold"
        android:layout_gravity="center_horizontal" />
    <TextView
        android:id="@+id/tvReg"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="12314096"
        android:textSize="18sp"
        android:layout_gravity="center_horizontal" />
    <ImageView
        android:id="@+id/imgStudent"
        android:layout_width="120dp"
        android:layout_height="120dp"
        android:src="@drawable/ic_launcher_foreground"
        android:layout_marginTop="10dp"
        android:layout_gravity="center_horizontal" />
    <EditText
        android:id="@+id/edtSub1"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="Subject 1 Marks"
        android:inputType="number" />
    <EditText
        android:id="@+id/edtSub2"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="Subject 2 Marks"
        android:inputType="number" />
    <EditText
        android:id="@+id/edtSub3"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="Subject 3 Marks"
        android:inputType="number" />
    <Button
        android:id="@+id/btnCalculate"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="CALCULATE"
        android:layout_marginTop="20dp" />
    <TextView
        android:id="@+id/tvResult"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="CGPA will appear here"
        android:textSize="18sp"
        android:layout_marginTop="15dp"
        android:layout_gravity="center_horizontal" />
</LinearLayout>
```

Kotlin Activity Code:

```
package com.example.cgpa

import android.os.Bundle
import androidx.appcompat.app.AppCompatActivity
```

```

import android.widget.Button
import android.widget.EditText
import android.widget.TextView

class MainActivity : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_main)

        val sub1 = findViewById<EditText>(R.id.edtSub1)
        val sub2 = findViewById<EditText>(R.id.edtSub2)
        val sub3 = findViewById<EditText>(R.id.edtSub3)
        val btn = findViewById<Button>(R.id.btnCalculate)
        val result = findViewById<TextView>(R.id.tvResult)

        btn.setOnClickListener {
            val m1 = sub1.text.toString().toFloatOrNull() ?: 0f
            val m2 = sub2.text.toString().toFloatOrNull() ?: 0f
            val m3 = sub3.text.toString().toFloatOrNull() ?: 0f

            val cgpa = (m1 + m2 + m3) / 30
            result.text = "CGPA: %.2f".format(cgpa)
        }
    }
}

```