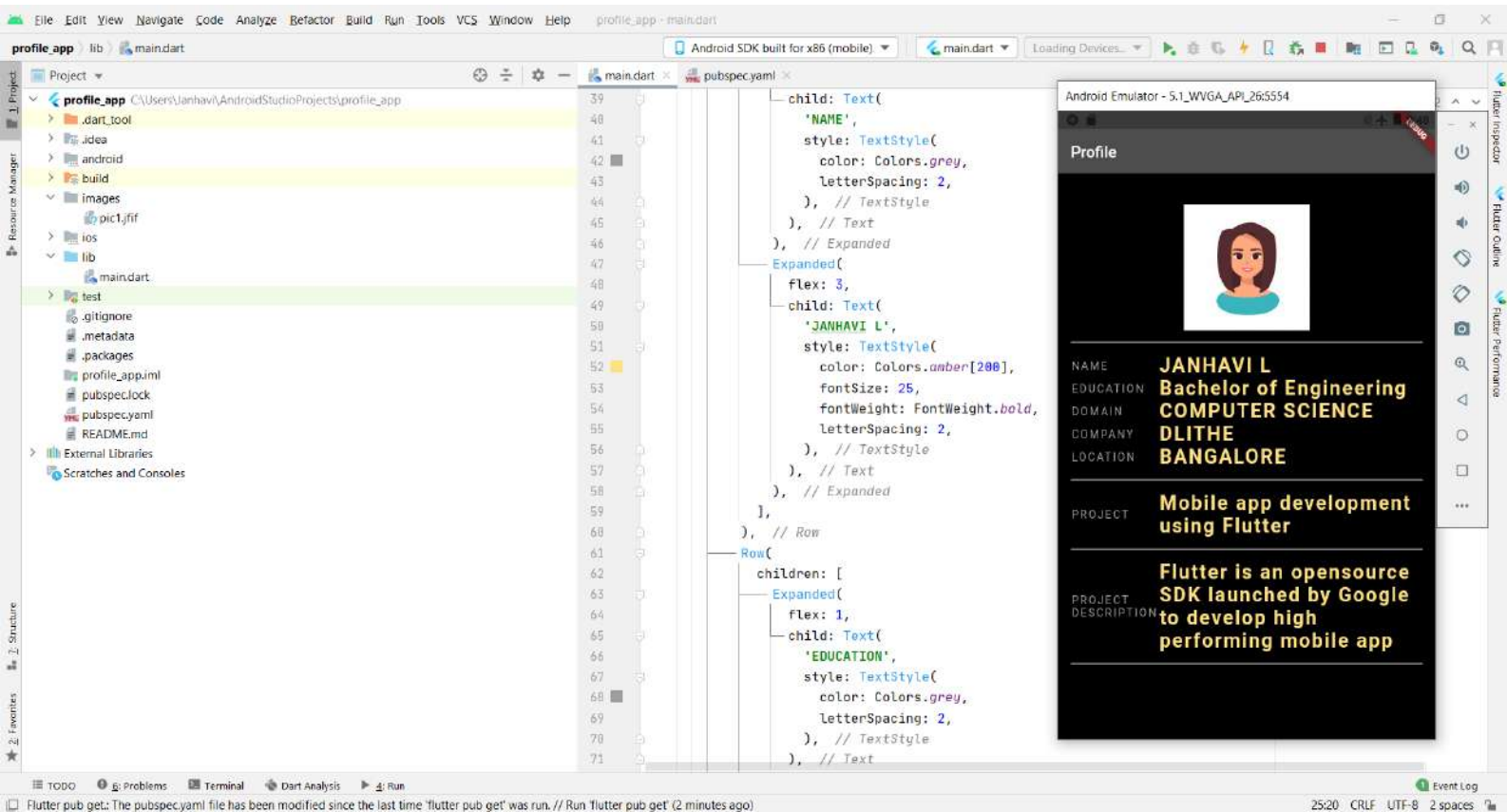# MOBILE APP DEVELOPMENT USING FLUTTER

1. ## PROFILE APP:

2. ## VALIDATION APP

DESCRIPTION

- A user profile is a collection of information associated with a user. In this profile app we have information such as name, qualification, domain, location ,project and project description.

- Form validation is a technical process where a web-form checks if the information provided by a user is correct.
  In this validation app we check the email id of the user if it contain **'@'** and if the password is **not less than 6 characters** it is validated otherwise it throws an error saying invalid email id and password.

profile_app) lib) main.dart

Android SDK built for x86 (mobile) ▼   main.dart ▼   Loading Devices... ▼

Project ▼

- profile_app C:\Users\Janhavi\AndroidStudioProjects\profile_app
  - .dart_tool
  - .idea
  - android
  - build
  - images
    - pic1.jfif
  - ios
  - lib
    - main.dart
  - test
  - .gitignore
  - .metadata
  - .packages
  - profile_app.iml
  - pubspec.lock
  - pubspec.yaml
  - README.md
- External Libraries
- Scratches and Consoles

```dart
39              child: Text(
40                'NAME',
41                style: TextStyle(
42                  color: Colors.grey,
43                  letterSpacing: 2,
44                ), // TextStyle
45              ), // Text
46            ), // Expanded
47            Expanded(
48              flex: 3,
49              child: Text(
50                'JANHAVI L',
51                style: TextStyle(
52                  color: Colors.amber[200],
53                  fontSize: 25,
54                  fontWeight: FontWeight.bold,
55                  letterSpacing: 2,
56                ), // TextStyle
57              ), // Text
58            ), // Expanded
59          ],
60        ), // Row
61        Row(
62          children: [
63            Expanded(
64              flex: 1,
65              child: Text(
66                'EDUCATION',
67                style: TextStyle(
68                  color: Colors.grey,
69                  letterSpacing: 2,
70                ), // TextStyle
71              ), // Text
```

Android Emulator - 5.1_WVGA_API_26:5554

Profile

NAME   **JANHAVI L**
EDUCATION **Bachelor of Engineering**
DOMAIN   **COMPUTER SCIENCE**
COMPANY   **DLITHE**
LOCATION   **BANGALORE**

PROJECT   **Mobile app development using Flutter**

PROJECT   **Flutter is an opensource**
DESCRIPTION **SDK launched by Google to develop high performing mobile app**

TODO   6: Problems   Terminal   Dart Analysis   4: Run   Event Log

Flutter pub get.: The pubspec.yaml file has been modified since the last time 'flutter pub get' was run. // Run 'flutter pub get' (2 minutes ago)   25:20   CRLF   UTF-8   2 spaces

validation_app > lib > main.dart

```dart
import 'package:flutter/material.dart';

void main() => runApp(new MyApp());

class MyApp extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return new MaterialApp(
      theme: new ThemeData(),
      home: new FormPage(),
    ); // MaterialApp
  }
}

class FormPage extends StatefulWidget {
  @override
  _FormPageState createState() => new _FormPageState();
}

class _FormPageState extends State<FormPage> {
  final scaffoldKey = new GlobalKey<ScaffoldState>();
  final formKey = new GlobalKey<FormState>();

  late String email;
  late String password;

  @override
  void initState() {
    // TODO: implement initState
    super.initState();
  }

  @override
```

Form Page

Email
janhavi@123

Password
••••••••••

login

Email : janhavi@123, password : janhavi123

validation_app ⟩ lib ⟩ main.dart

Android SDK built for x86 (mobile) ▼   main.dart ▼   Loading Devices... ▼

Project ▼

validation_app C:\Users\Janhavi\AndroidStudioProjects\validation_app
External Libraries
Scratches and Consoles

main.dart ×

Android Emulator - 5.1_WVGA_API_26:5554

```
52        ); // SnackBar
53        scaffoldKey.currentState!.showSnackBar(snackbar);
54    }
55
56    @override
57    Widget build(BuildContext context) {
58        return new Scaffold(
59            key: scaffoldKey,
60            appBar: new AppBar(
61                title: new Text("Form Page"),
62            ), // AppBar
63            body: new Padding(
64                padding: const EdgeInsets.all(20.0),
65                child: new Form(
66                    key: formKey,
67                    child: new Column(
68                        children: <Widget>[
69                            new TextFormField(
70                                decoration: new InputDecoration(labelText: "Ema
71                                validator: (val) =>
72                                !val!.contains('@') ? 'Invalid Email' : null,
73                                onSaved: (val) => email = val!,
74                            ), // TextFormField
75                            new TextFormField(
76                                decoration: new InputDecoration(labelText: "Pas
77                                validator: (val) =>
78                                val!.length < 6 ? 'Password too short' : null,
79                                onSaved: (val) => password = val!,
80                                obscureText: true,
81                            ), // TextFormField
82                            new Padding(
83                                padding: const EdgeInsets.only(top: 20.0),
84                            ), // Padding
```

Form Page

Email
janhavi*123
Invalid Email
Password
•••
Password too short

login

TODO   Problems   Terminal   Dart Analysis   4: Run

Event Log

73:50   CRLF   UTF-8   2 spaces