



ANEGUDDE

Weather App

CHATURTH R
21BCS025





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Anegudde Weather App

Anegudde Weather App is an innovative weather app that utilizes a weather API to display current and forecasted weather information, weather news, weather related YouTube videos with weather information. It has been designed with scalability, security and SMART goals in mind.

The app has been developed using Flutter, a free and open-source UI software development kit created by Google and is used to develop applications for Android, iOS, Windows, Mac, Linux, Google Fuchsia and the web..

INSTITUTE NAME	INDIAN INSTITUTE OF INFORMATION TECHNOLOGY, DHARWAD (IIITDWD)
Course	Software Engineering - CS301
NAME	CHATURTH R
ROLL NO	21BCS025
CLASS	4TH SEM CSE SEC A
GITHUB PROJECT	Open Github

Introduction to Anegudde

Weather App

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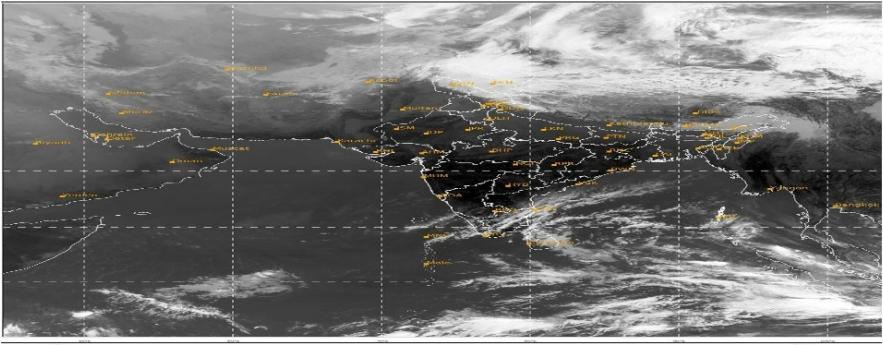
The app has been developed using Flutter, a free and open-source UI software development kit created by Google and used to develop applications for Android, iOS, Windows, Mac, Linux, Google Fuchsia and the web.

Unique App Features

- **Current Weather Information:** The app displays the current weather conditions, including temperature, humidity, wind speed, and direction, for the user's place.
- **Hourly, Daily and weekly Forecasts:** The app provides hourly, daily and weekly weather forecasts, allowing users to plan their activities and outings accordingly.
- **Weather News:** The app features a section dedicated to weather-related news and updates for a region, keeping users up-to-date with the latest weather-related developments.
- **Weather YouTube Videos :**The app features weather-related YouTube videos and updates for a region.
- **User-Friendly Interface:** The app features a user-friendly interface that is easy to navigate, with intuitive icons and design elements.

2:56 57%

Latest News



Typical Pre Monsoon rains over South India

South India is all set to see the typical Pre Monsoon activities for the next four to five days.

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FORECAST

SUN	MON	TUE	WED	THU	FRI	SAT
68	74	83	75	82	81	90
WINDY	SUNNY	THUNDERSTORMS IN THE AFTERNOON	MOSTLY CLOUDY	PARTLY CLOUDY	RAIN	SUNNY

Telangana, Andhra, Karnataka, Tamil Nadu In for Rains and Thunderstorms

The met department has advised farmers to take necessary measures to protect their crops and livestock from inclement weather.

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END USERS OF THE APP

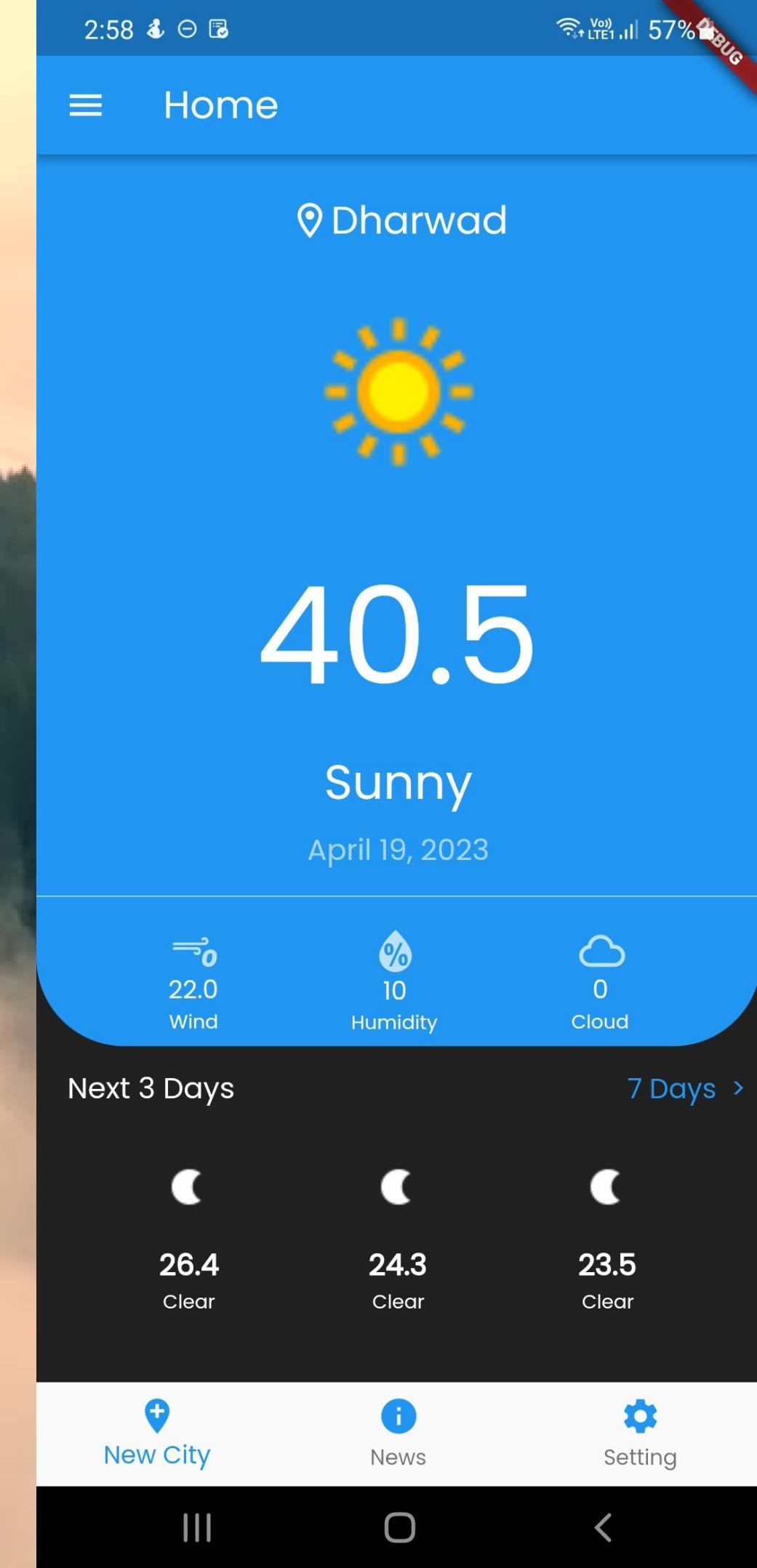
- Locals
- Tourists
- Projects
- Agriculture
- Health
- Sports



Design Criteria

The design of Anegudde Weather App was based on scalability, security and SMART goals. Scalability ensures that the app can grow and expand to meet the needs of the users. Security ensures that the app is safe and secure to use. SMART goals are specific, measurable, adoptable, responsive and time-bound.

The app has been designed with a user-friendly interface and intuitive navigation. It also has a feature that displays weather information for the location. The app also includes weather news and weather YouTube videos.



Technologies and tools used :

- Flutter Framework: Flutter is a cross-platform mobile app development framework that allows developers to create high-performance, natively compiled apps for iOS, Android, and the web.
- Dart Programming Language: Flutter uses the Dart programming language, which is an object-oriented, class-defined, garbage-collected language that is easy to learn and has a syntax similar to that of Java or C#.
- Weather API: To fetch weather data for the app, I have used the Weather API, which provides current and forecasted weather data for locations worldwide which updates regularly.
- Android Studio: Android Studio is an integrated development environment (IDE) used for developing Android apps. It provides developers with tools for debugging, testing, and building Android apps.
- SQLite : SQLite is a C-language library that implements a small, fast, self-contained, high-reliability, full-featured, SQL database engine. SQLite is the most used database engine in the world. SQLite is built into all mobile phones and most computers and comes bundled inside countless other applications that people use every day.

Demonstration

Anegudde Weather App demonstration to show how the app works. The demonstration shows how the app can be used to view current and forecasted weather information, weather news and Weather YouTube Videos and weather information.



sign in to your account

Username

Password

Not have an Account..? [Click HERE](#)

2:59 VoLTE 56% BUG



ANEGRUDE WEATHER APP

Sign in to your account

Username

Password

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Sign Up

Create Your Account

Please provide following information to create account

Name

Contact Number

Password

Email ID

Address

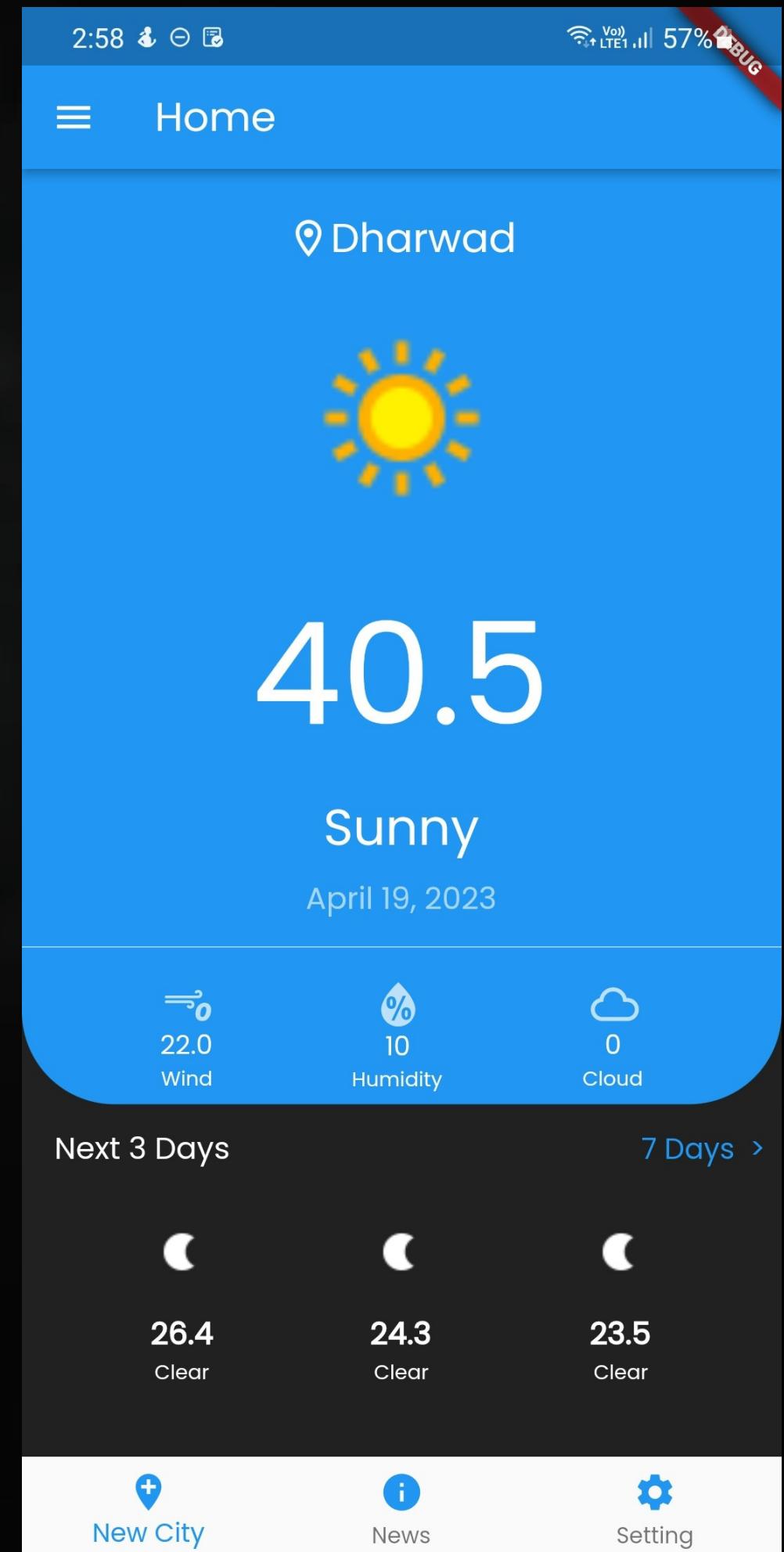
Home City

Already have an Account..? [Log IN](#)

HOME SCREEN

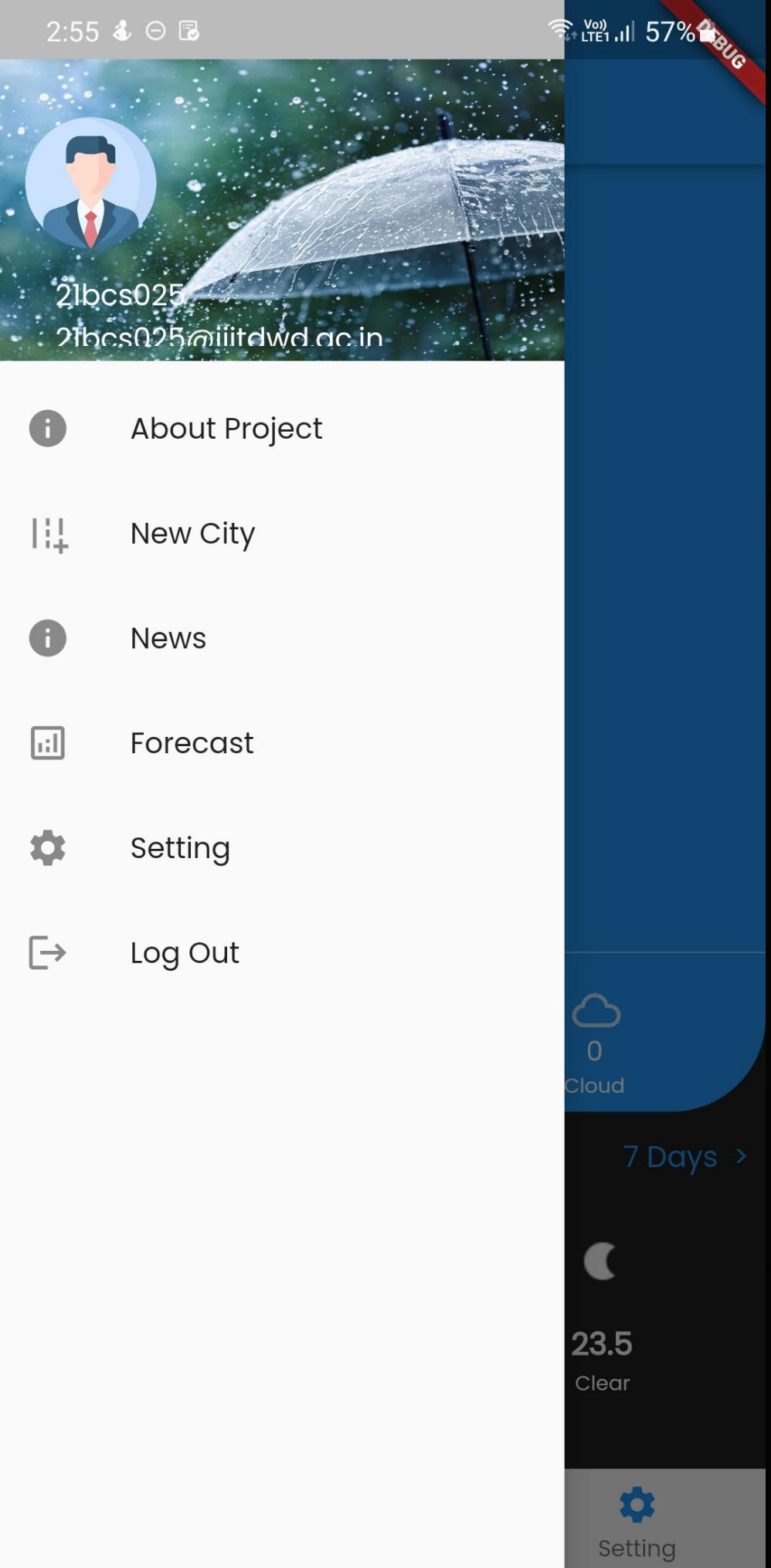
The home screen of the app provides you with all the important weather details of your place such as temperature, humidity, pressure, and a weather forecast. This information is displayed in an easy-to-read format and is constantly updated to provide you with the most accurate and up-to-date information.

Below the weather details section, you will find three useful widgets: "New City" and "Weather News With YouTube Integration" and "Settings".



Menu Screen

The app features a comprehensive menu that provides you with all the information and tools you need to stay informed about the weather. Let's take a closer look at what's included in the menu which includes "New City" , "Weather News With YouTube Integration" , "Weather Forecast", "Settings", and "Logout".

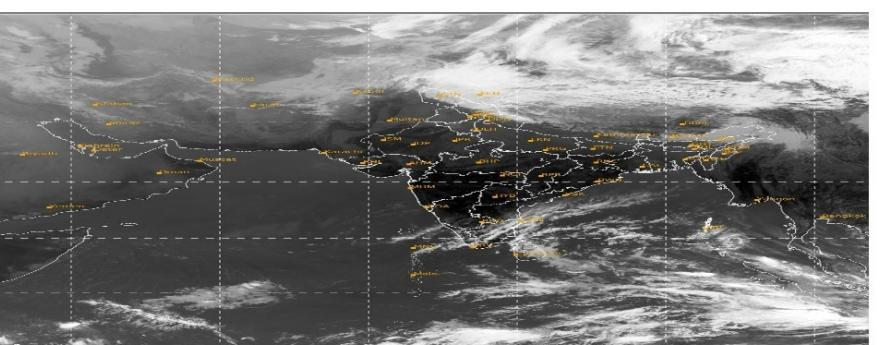


Weather News with Integration of YouTube Screen

The "Weather News with Integration of YouTube" widget provides you with the latest news and Weather YouTube Videos and updates related to weather, such as severe weather warnings, natural disasters, and more. This information can help you stay informed and prepared in the event of severe weather conditions.

7:50 41%

Latest News



Typical Pre Monsoon rains over South India

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[View More](#)

FORECAST

SUN	MON	TUE	WED	THU	FRI	SAT
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Telangana, Andhra, Karnataka, Tamil Nadu In for Rains and Thunderstorms

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OPEN IN APP

WEATHER NEWS AND ANALYSIS

TYPICAL PRE MONSOON RAINS OVER SOUTH INDIA

March 28, 2023 6:41 PM | Skymet Weather Team



South India is all set to see the typical Pre Monsoon activities for the next four to five days. These rains will be attributed to the semi-permanent feature, Circulation over interior South Tamil Nadu and a Peninsular trough which keeps oscillating.

Not all areas will be seeing rain simultaneously and rainfall activity will not be too intense as well. Rains could be in some pockets for short durations but will be seen



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Weather Forecast for Nov 30: Rains in South India, no change in Delhi pollution

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Skymet Weather 1.38M

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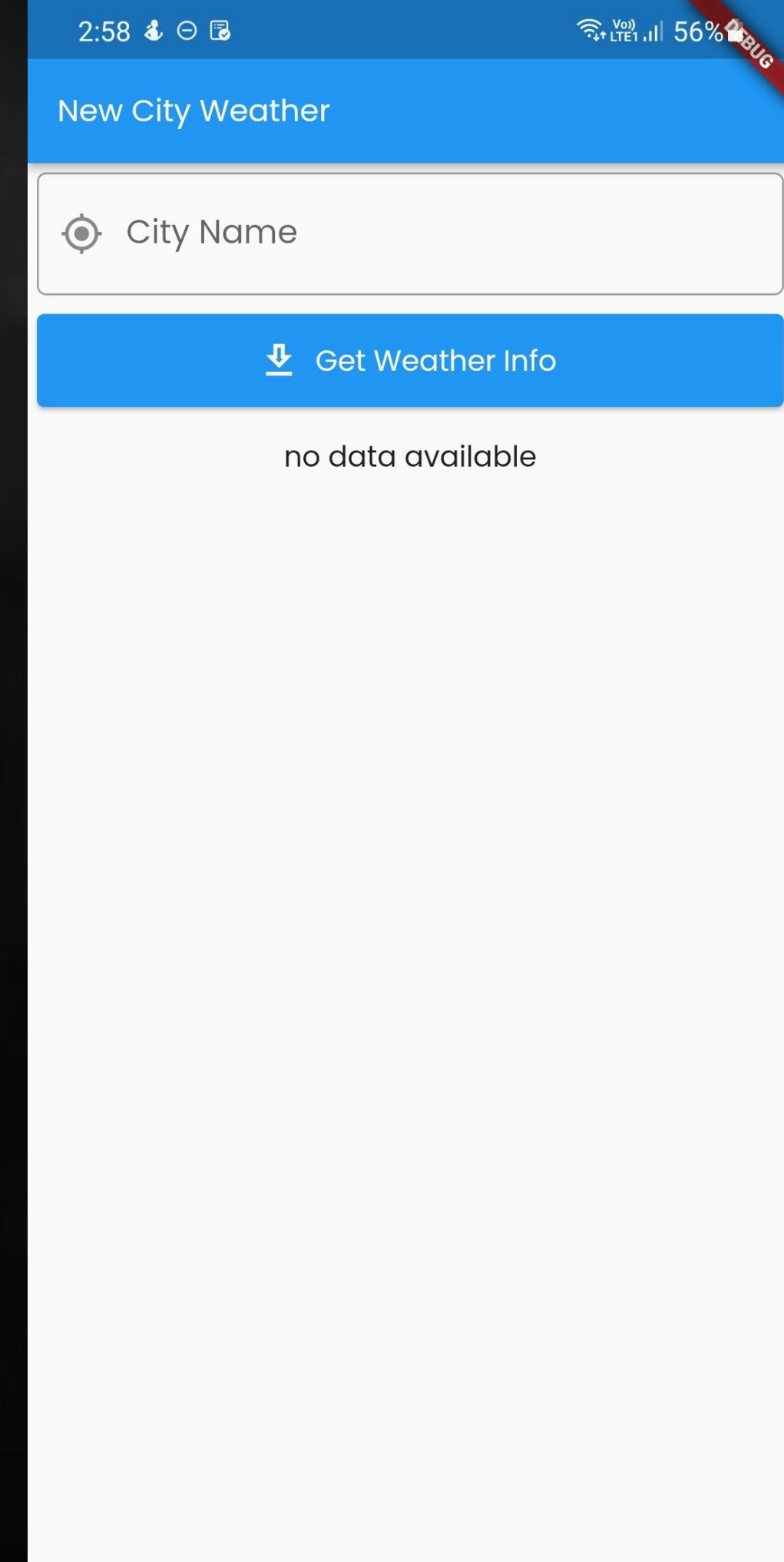
Comments 5

Add a comment...



New City Weather Screen

The "New City" widget allows you to easily switch between different places and view their weather information. This is particularly useful for travelers who want to stay informed about the weather conditions in their destination.



2:56

57% BUG

New City Weather

 Bangalore

 Get Weather Info

 Bangalore, Karnataka



Sunny

38.6



Wind Direction

16.2km/h

ESE



11%
Humidity



37.9 C
Real Feel



9.0
UV



1006.0 mb
Pressure

2:56

57% BUG

New City Weather

 New York

 Get Weather Info

 New York, New York



Overcast

7.8



Wind Direction

9.0km/h

W



47%
Humidity



5.0 C
Real Feel



1.0
UV



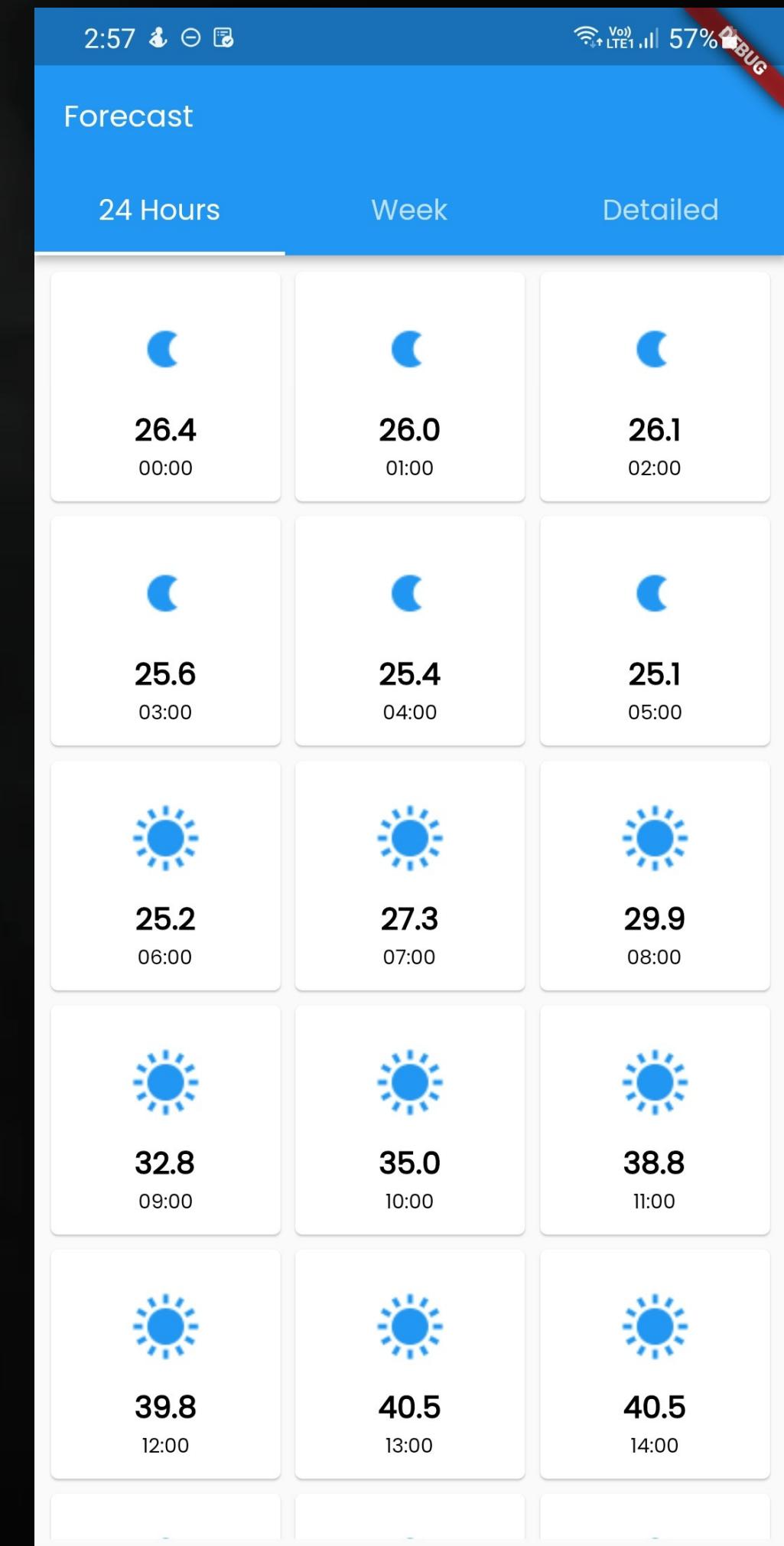
1016.0 mb
Pressure

Weather Forecast Screen

This feature provides users with up-to-date information about the weather, helping users make informed decisions about their daily activities. The weather forecast feature is divided into three sections: 24 hours, weekly,detailed.

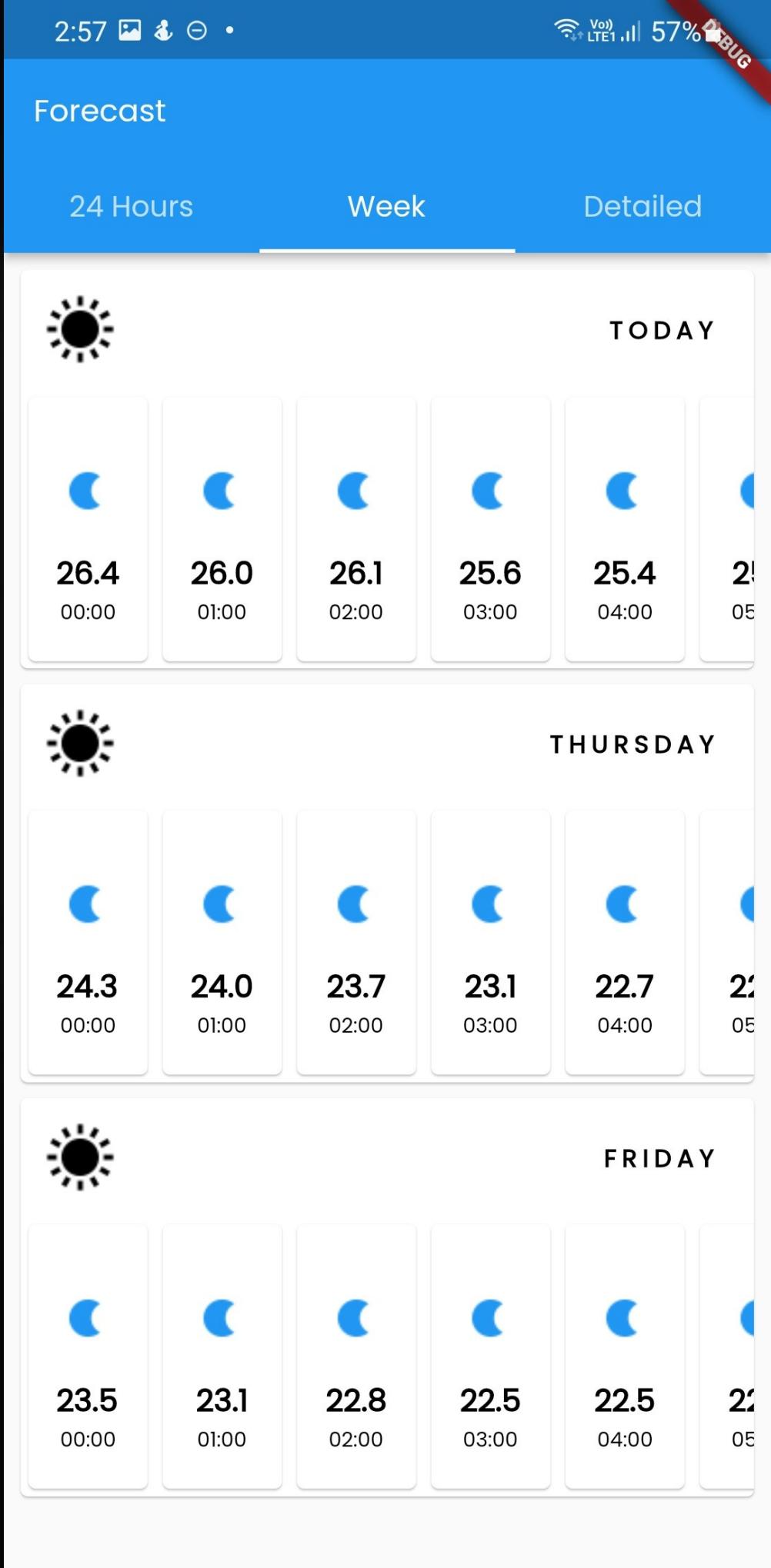
24 Hours

The 24 hours section provides a detailed hour-by-hour forecast, including temperature and other important weather information for each hour. This information is updated frequently to provide you with the most accurate information possible. With this information, you can easily plan your day and be prepared for any changes in the weather.



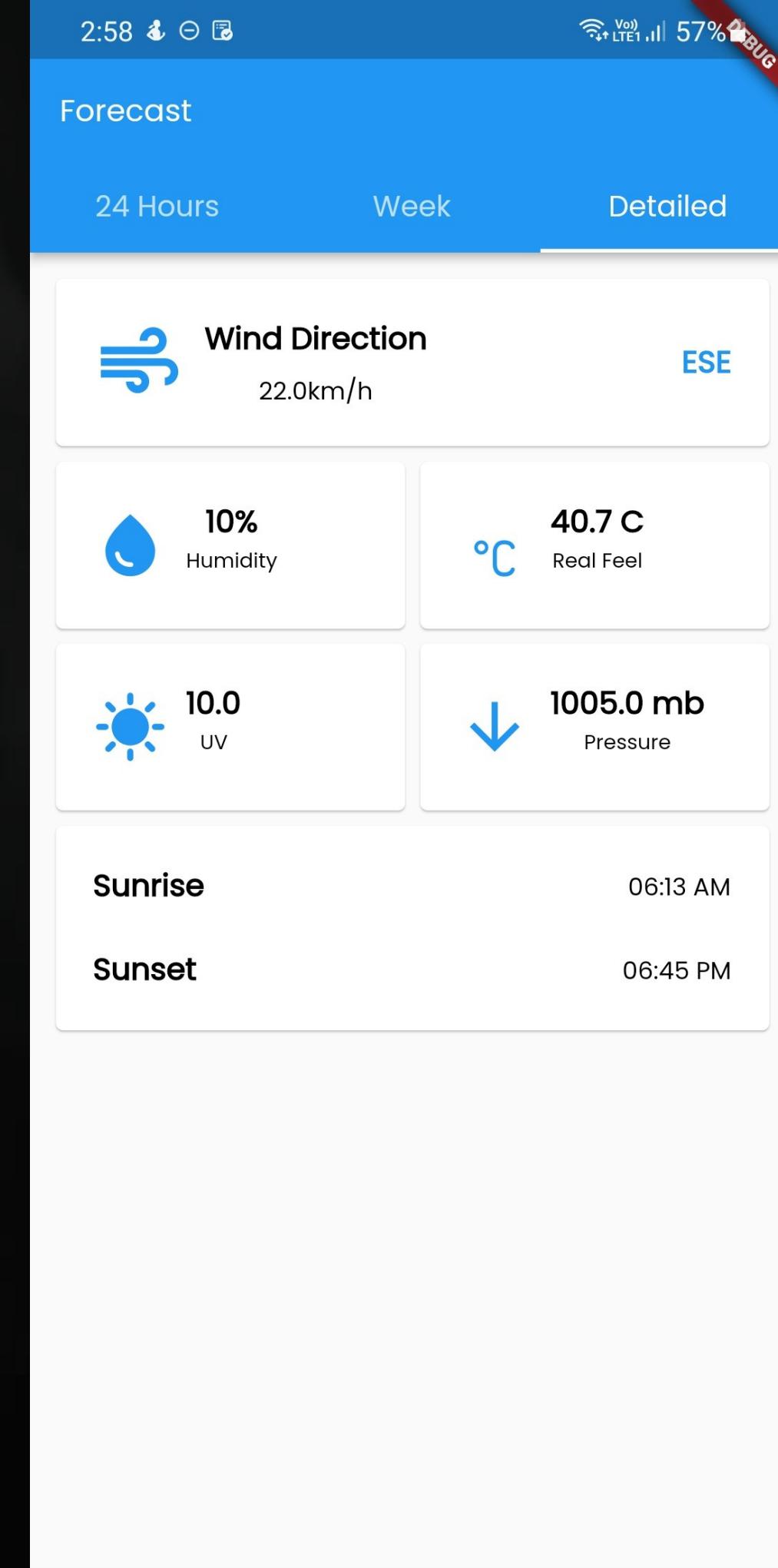
Weekly Weather Forecast

The weekly section provides a comprehensive day forecast, including temperature and other important weather information. This information can help you plan your week, from choosing the best days to go for anywhere or anytime.



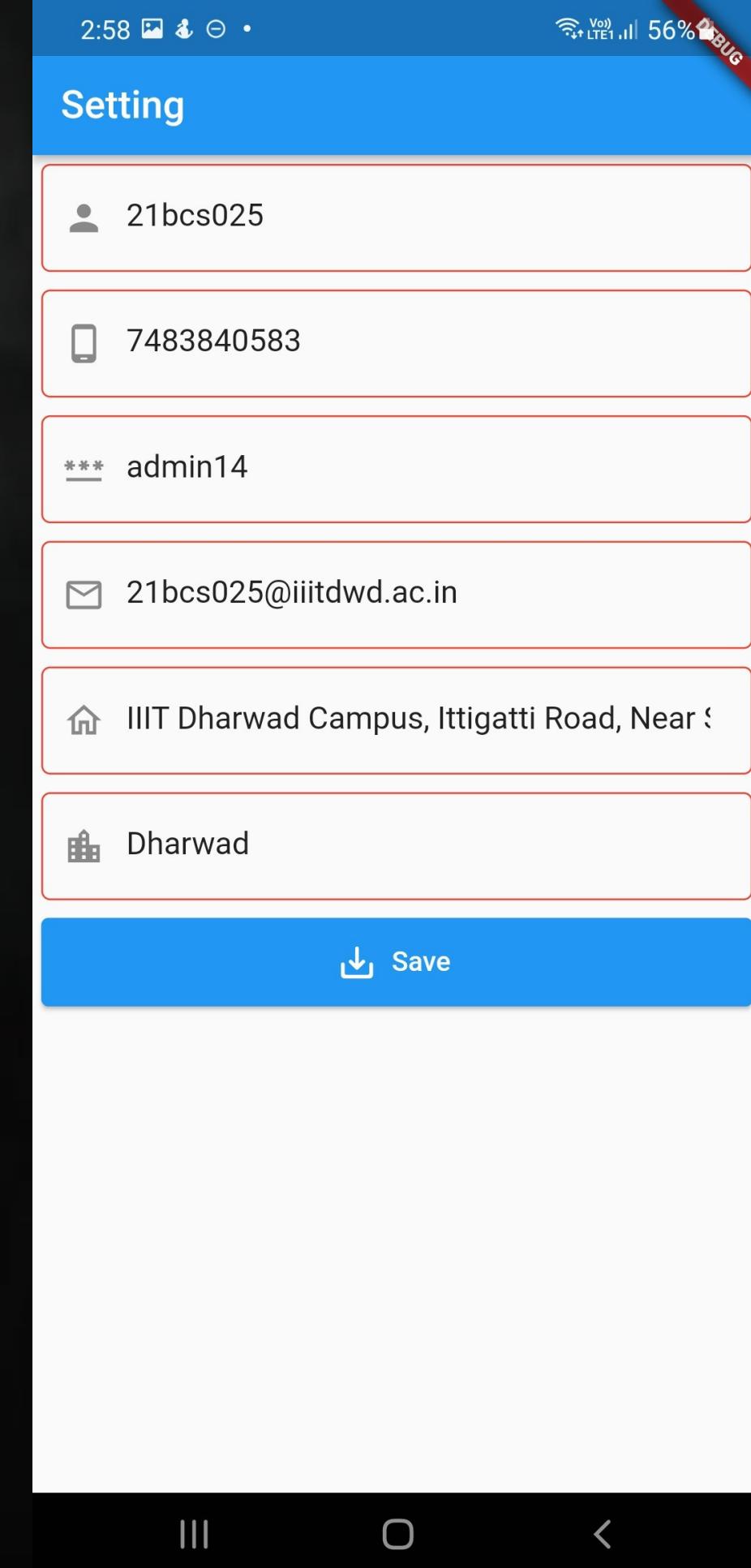
Detailed Weather Information

This feature provides users with comprehensive information about the weather conditions in a specific location. The information is displayed in an easy-to-read format and includes details such as temperature, humidity, pressure, wind speed and Sunrise and Sunset and much more informations.

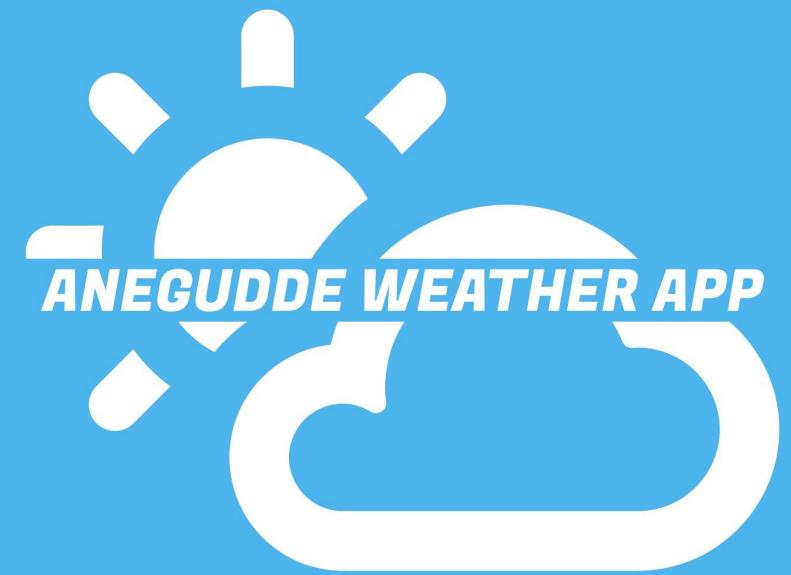


Settings Screen

The app also includes a "Settings" section where you can customize your experience. Like you can edit your profile details.



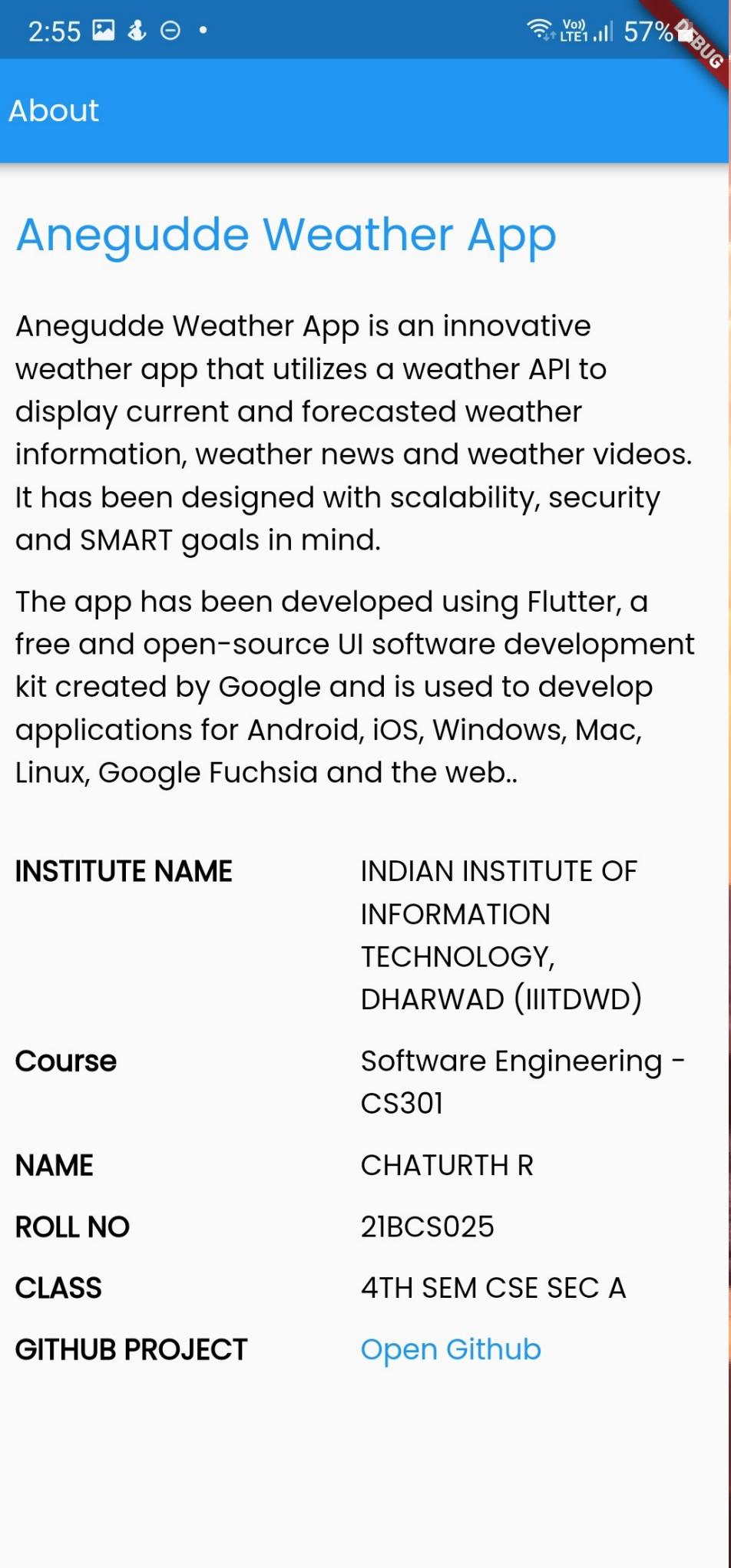
LIVE DEMONSTRATION OF ANEGUDDE WEATHER APP



Conclusion

In conclusion, Anegudde Weather App is a must-have mobile application for anyone who wants to stay informed about the weather conditions in their area. The app's advanced technology, real-time updates, and accurate forecasts make it a reliable source of weather information.

Moreover, the app's user-friendly interface makes it easy to use and cater to the individual needs of its users. Download Anegudde Weather App today and enjoy the benefits of staying informed about the weather conditions in your area.



The image shows a smartphone screen displaying the 'About' page of the Anegudde Weather App. The top status bar indicates the time as 2:55, signal strength, battery level at 57%, and a red 'BUG' notification. The main content area has a blue header with the text 'About'. Below the header, the title 'Anegudde Weather App' is displayed in blue. A descriptive paragraph follows, stating: 'Anegudde Weather App is an innovative weather app that utilizes a weather API to display current and forecasted weather information, weather news and weather videos. It has been designed with scalability, security and SMART goals in mind.' Another paragraph describes the development: 'The app has been developed using Flutter, a free and open-source UI software development kit created by Google and is used to develop applications for Android, iOS, Windows, Mac, Linux, Google Fuchsia and the web..'. At the bottom, there is a table with project details:

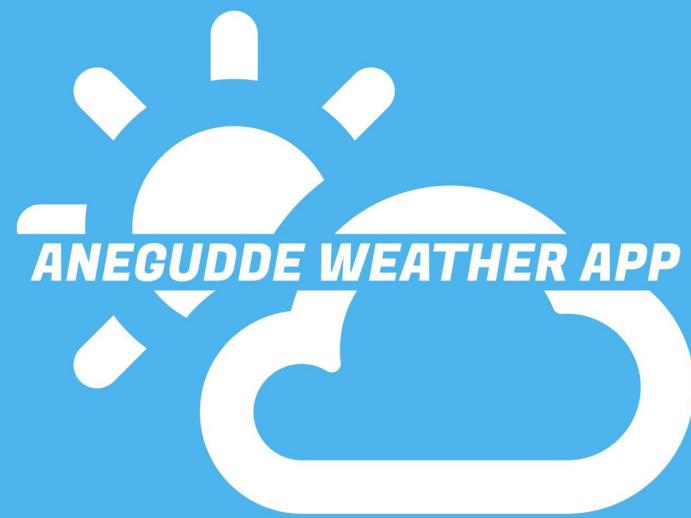
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Experience

Working on the ANEGUDDE WEATHER APP project alone was both challenging and rewarding. As the sole developer, I had a complete control over the project's direction and could work at my own pace.

However, I also had to take on many different roles. One of the most significant challenges I faced was teaching myself new skills. Although I did not have some prior experience with mobile app development required me to learn mobile app development and flutter. As I began to develop the app, I encountered various technical challenges that I had to overcome on my own. For example, integrating the Weather API. Despite these challenges, working on the ANEGUDDE WEATHER APP project alone allowed me to develop new skills in different areas and gain a deeper understanding of the project's intricacies. I found that breaking the project down into smaller, achievable goals helped me stay motivated throughout.

Overall, working on the ANEGUDDE WEATHER APP project alone was a valuable learning experience that taught me the importance of self-motivation, persistence, and problem-solving. Although it was challenging at times, I am proud of the final product and the skills I gained along the way.



STAY TUNED

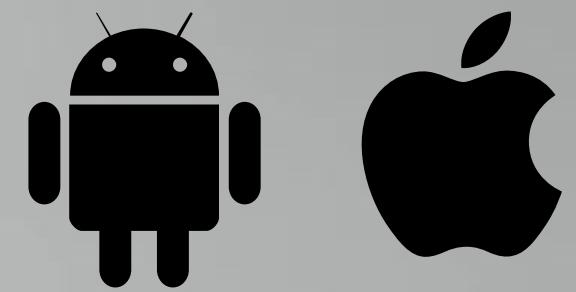
ANEGUDDE

Weather App

Q DOWNLOAD APP



[HTTPS://GITHUB.COM/CHATURTH-R/CS301-
SOFTWARE-ENGINEERING-PROJECT-ANEHUDDE-
WEATHER-APP](https://github.com/Chaturth-R/CS301-Software-Engineering-Project-Anegudde-Weather-App)



The background image is an aerial photograph of a coastal area. It features a dark, rocky shoreline in the upper half, transitioning into a vibrant turquoise sea. The water is textured with white foam from breaking waves. In the lower half, the sea is darker and more turbulent, with white-capped waves crashing against the rocks.

THANK YOU

CHATURTH R
21BCS025