



# Ankith Rathod

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## Personal Profile Statement

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Result oriented, self-motivated, adaptable and enthusiastic programmer with key skills in Flutter and Firebase seeking a position in an IT, position which will utilize the professional and technical skills honed through practice, watching Google summits, Plural Sight Courses, LinkedIn Learning, academics and from various other sources.

## Experience

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*Company:* Unio Labs Pvt. Ltd.

*Duration:* 1 month

*Role:* Flutter Developer

## Skills

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|------------------|----------------|
| • Flutter        | • HTML5        |
| • Firebase Cloud | • CSS3         |
| • Dart           | • MATLAB       |
| • Node.js        | • Arduino      |
| • Agile          | • Raspberry pi |
| • JavaScript     | • Verilog      |
| • Python         | • Cadence      |

## Technical Tools

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Visual Studio Code, Android Studio, Google Colab, Postman, Visual Studio, Xilinx, Cadence.

## Certifications and Achievements

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- Programming Foundations: Fundamentals, course offered by LinkedIn learning.
- Programming Foundations: Database, course offered by LinkedIn learning.
- Python 101 for Data Science, a course on Cognitiveclass.ai powered by IBM developers skills network.
- Python Getting Started, Python Fundamentals, Python: The Big Picture, completed mentioned courses on Plural Sight.
- Full Stack web development using Python(web2py), course offered on Plural Sight.
- Secured Rank: 3454, Badges: 6, Score: 585 on MATLAB Cody.

# Projects

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## Project 1:

*Project Name:* High Life (Available on Playstore)

*Domain:* e-commerce platform

*Technologies Used:* Flutter, Dart, Firebase

*Project Description:* An e-commerce app which allows user to order Mineral Water, Milk packets of desired brand, check the available rental houses nearby, allow owners to upload their rental homes, order various other daily essentials and food from nearby Hotels and Restaurant.

*Roles & Responsibilities:*

- Managing user state using stream and Provider package, managing application state using Change Notifiers, BLoC and Provider Package.
- Navigation between screens and passing parameters to routes, switching between tabs using Navigator, MaterialPageRoute and CupertinoTabBar.
- Creating screens for home page, ordering page for milk(dialog box used for specifying quantity), Mineral water can ordering page, Cake Ordering Page, Daily essential ordering Page, Food ordering and Rental Page where CupertinoSlidingSegmentedControl for switching between renters and owners.
- Creating map interface with Open Street Maps and handling pointer calibration using joystick for taking accurate location of delivery.
- Integrating Google Pay API for handing UPI payments.
- Handling and debugging user input form and used Cards, Gifs and Material icons to enhance mobile screen UI for mobile application.
- Enabling Firebase auth for signup Functionality and additional phone number verification.
- Creating and managing Firebase firestore data models for efficient access and ease of coding and also using Firebase Storage for storing data of user like rental home images.
- Creating another apps which displays respective orders which contain order information, user contact details and location of delivery on the map, another tab views all the orders on the Google map with custom markets and display dialog on pressed.

## **Project 2:**

*Project Name:* ThermoServices (available on google playstore, launched via Unio Labs Pvt. Ltd)

*Technologies Used:* Flutter, Dart

*Project Description:* ThermoServices provides a tool that allows you to 24/7 real-time remote monitoring of residential and commercial air conditioning systems to track unit health. When there is an unexpected activity or malfunction Thermoservices app provides users with the information/alerts they need to proactively diagnose the issue.

## **Project 3:**

*Project Name:* DataMine4.0 (available on google playstore, launched via Unio Labs Pvt. Ltd)

*Technologies Used:* Flutter, Dart

*Project Description:* Datamine.live is a multipurpose enterprise IoT platform. It's a centralized platform for all kinds of industrial sensors to integrate. Using our platform you can visualize sensor data and set alerts. In the future, it can be used to control equipment remotely.

## **Project 4:**

*Project Name :* Knack Hunt – Video sharing Platform(On going project)

Domain: Social Networking

Roles & responsibilities:

- Managing user state using stream and Provider package, managing application state using BLoC and Provider Package.
- Navigation between screens and passing parameters to routes, switching between tabs using Navigator, MaterialPageRoute and Custom Navigation bar which made out of snackBar.
- Creating a video swiping screen using a PageView and auto play and pause of videos upon swiping. Share
- Implementing like, share and follow options on the video. Follow button was implemented using the alert box on tap on user name. Share option was implemented by using Android sharing intent, share option is activated by swiping the screen from left to right, like a video through a double tap.
- Using the gestures for most of the operation to give the users best video viewing experience as few things on screen which obstruct the screen.
- Displaying the animation upon like. The animation was designed using the Rive flare and successfully integrated into the app.
- Handling user form for uploading the videos to the firebase storage.

- Maintaining the user profile page and displaying the videos which user uploaded through the app.
- Database design and implementing it on the app for better access of user info and writing the security rules on the firebase to keep the user details secure.
- Making app more secure as no data is saved on the mobile.
- Enabling Firebase auth for signup Functionality and additional phone number verification.

### **Project 5:**

*Project Name:* Design of Kalman Filter using Verilog for speech processing.

*Domain:* VLSI Design

*Technologies Used:* Verilog, MATLAB

*Role:* Project Lead

## **Education**

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2016 – 2020	B.Tech(ECE)	Jawaharlal Nehru Technological University Hyderabad
2013 – 2016	Diploma(ECE)	Govt. Polytechnic Sangareddy
2007 – 2013	5 <sup>th</sup> -10 <sup>th</sup> Standard	Kendriya Vidyalaya Eddumailaram

## **Hobbies and Interests**

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I enjoy coding, collecting e-books, meditation, electronics, technology, socialising with friends and family.