

AKASH B

Flutter Developer

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• <https://github.com/akashbalasubramaniyan01> • Chennai, India

Summary

I am a passionate Flutter Developer with over 2.5 years of experience in creating high-quality mobile applications. My expertise lies in using Dart programming, SQLite, and various state management solutions such as Getx and Provider. I thrive in integrating third-party services and enhancing user experiences through innovative application design.

Experience

B2E Technology

Flutter Developer

Chennai, India
08/2021 - Present

Company specializing in technology solutions.

- Flutter Developer at B2E Technology
- 08/2021 – Present
- SQLite, State Management, Third Party Integration
- Web Application and Mobile Application development
- Experience with Getx , Provider and Riverpod
- Firebase and API Integration
- Push Notification implementation

Education

Anna University Sri Ranganathar Institute Of Engineering And Technology

BE - CSE

TamilNadu, India
01/2015 - 05/2019

government higher secondary school

12th - 2015

Muthupetai
04/2015

Key Achievements

★ Application Development Achievements

Successfully developed and implemented multiple web and mobile applications using Flutter, contributing to significant improvements in user experience.

Languages

Tamil Native ●●●●●●

English Proficient ●●●●●●

Skills

- ❖ SQLite.
- ❖ DART
- ❖ Firebase.
- ❖ Third Party Integration.
- ❖ Developing to Play Store and App Store.
- ❖ API Integration.
- ❖ Push Notification.
- ❖ State Management for Getx, Provider, BLOC Beginner , Riverpod.
- ❖ MVVM Architecture

Projects

Hindustan College of Arts & Science - STAFF APP

Online

https://play.google.com/store/apps/details?id=com.b2e.hcas_staff

01/2023 - 01/2024

Developed a user-friendly staff application.

- **Attendance Management:**

Mark attendance as Present/Absent (similar to the screenshot). Bulk actions like "Mark All Present" or "Mark All Absent." Summary at the top (e.g., Total, Present, Absent count).

- **Leave Management:**

Staff leave application and approval tracking. Notifications for leave status updates.

- **Book Check System:**

Library book status and tracking. Notifications for due dates or fines.

- **Timetable Management:**

View and update timetables in real time. Notifications for schedule changes.

- **Notifications:**

Centralized notification system for important announcements. Categorized notifications (e.g., Timetable changes, Leaves, Events).

Hindustan College of Arts & Science - Library Gate Entry

Online

<https://play.google.com/store/apps/details?id=com.b2e.hcaslibrary>

01/2024

Library gate entry application.

- Developed Android application using Flutter to manage library entry data for students and staff.
- Integrated SQL Lite package for data storage.
- Designed for educational usage.

Ecommerce Web Application – sri city

Online

<https://score.sricity.in/#/Login>,

<https://admin.sricity.in/#/>

07/2024

E-commerce platform using Flutter.

- Developed a comprehensive e-commerce web application including product sale features and admin reports.
- Facilitated online transactions via internet.

Tamilnadu Government River App

Chennai, India

01/2024 - 12/2024

Application to identify rivers occupying lands in Chennai.

- Developed a river identification application for Chennai using Flutter.
- Implemented mapping and geo-location features with Google Maps.
- Enabled real-time location tracking.

Inventory App

Chennai, India

2025 - Present

Implemented **CGST** and **IGST** tax calculation logic within a mobile application using the Provider package for state management.

- **Provider Package Implementation:**

Utilized the Provider package to manage tax state globally across the app. Optimized performance by selectively rebuilding widgets on tax updates.

- **Dynamic Tax Calculation:**

Supported both **CGST (Central GST)** and **IGST (Integrated GST)** calculations based on business requirements. Fetched tax rates dynamically from APIs for up-to-date compliance.

- **UI Integration:**

Built an interactive UI to display the breakdown of tax components (CGST, IGST) in invoices. Ensured accessibility and ease of use with error handling for tax mismatch issues.

WHATSAPP INTEGRATION:

In this project, I integrated WhatsApp Business API into a Flutter-based mobile app for staff communication and customer support.

I developed a real-time chat UI using Riverpod and webhook updates, handled message delivery statuses, and implemented logic to filter and store conversation statuses in the backend.

I also optimized message processing to reduce memory usage and avoided redundant API calls."

Key Tech: Flutter, Riverpod, WhatsApp Business API, Webhook, Backend integration

<http://wat.hcaschennai.edu.in/>

HELPDESK WEB APPLICATION:

Nanox Labss Pvt Ltd (Chennai: Offsite)

created and put into use a user-friendly helpdesk online application that cut down on the time it took for users to resolve issues by 20%.worked together with cross-functional teams to meet the 5-month time frame for delivering.

<https://helpdesk.apistudio.app/>

HCAS Portal – Public Communication & Services App

Hindustan College of Arts & Science

Developed and maintained *HCAS Portal*, a cross-platform mobile application for Hindustan College of Arts & Science, enabling native and WebView-based access for students, staff, parents, and alumni. Integrated secure login, dashboard, academic records, career applications, OPAC library, and public features like admissions, notifications, and institutional transparency. Aimed for global reach with App Store public listing, supporting over 50,000+ annual users.

IOS APP PUBLIC LINK:

<https://apps.apple.com/in/app/hcas-portal-app/id6747767558>