# AASHUTOSH KALAUNI

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## PROFESSIONAL SUMMARY

Full-stack Flutter developer with a strong foundation in clean architecture and BLoC state management. Experienced building production-grade mobile apps from responsive Flutter UI through REST API integration to Django and Node.js backends. Comfortable owning a feature from data model to deployed screen, with a focus on maintainable code and resilient, well-tested state handling.

## TECHNICAL SKILLS

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| **Languages** | C, C++, Dart, Java, JavaScript, Python |
| **Frameworks** | Flutter, FastAPI |
| **State Management** | BLoC / Cubit, GetX |
| **Backend & APIs** | REST APIs, Node.js, Express.js, Firebase, Supabase |
| **Databases** | PostgreSQL, MySQL, MongoDB |
| **Tools** | Git/GitHub, Android Studio, VS Code, Figma, Postman, Docker |
| **Problem Solving** | Competitive programming practice on Leetcode |

## EDUCATION

**Bachelor of Engineering in Computer Engineering** | Far Western University — *Dec 2022 – Present*

**Intermediate of Science** | Little Buddha Academy — *2020 – 2022*

## EXPERIENCE

**Flutter Developer Intern** | MS Engineering and Complete Solution — *Jul 2026 – Oct 2026*

- Developed the mobile app UI with API integration for a restaurant management tablet app, built in Flutter with a feature-based architecture and BLoC/Cubit state management.
- Implemented a full authentication flow with automatic session refresh, resolving a concurrent token-refresh race condition with a Completer-based lock to prevent false session expiry under JWT token rotation.
- Built responsive navigation across tablet orientations using GoRouter's StatefulShellRoute, and a real-time connectivity banner backed by a dedicated monitoring layer.
- Designed the end-to-end order flow (table selection, menu selection, cart) integrated with a Django REST Framework backend over Dio.

## PROJECTS

**Splash Vault** | *Full-Stack Wallpaper App* — *Flutter, Node.js/Express, MongoDB*

- Built a full-stack wallpaper browsing app with Pexels API integration, search, pagination, and category browsing across 8 preset categories.
- Implemented a real-time favorites system using Hive for local persistence and a reactive BLoC architecture to prevent data loss across state transitions.
- Applied clean architecture (data/domain/presentation layers) with an in-memory caching strategy to reduce redundant network calls.

**Academia** | *Cross-Platform Learning Management System* — *Flutter, Supabase, Firebase*

- Developed a multi-module classroom platform supporting notices, assignments, submissions, and file management, with Flutter and Supabase.
- Implemented cloud file upload/download, assignment submission and resubmission workflows, and timestamp-based unread-notice tracking using BLoC.
- Integrated real-time push notifications using Supabase database triggers and Edge Functions with Firebase Cloud Messaging, improving response time to assignment updates.

**Let's Chat** | *Real-Time Messaging App* — *Flutter, Firebase*

- Built a real-time messaging app with Firebase, including authentication, live chat via database streams, and friend management (add/remove).
- Structured data models for users and conversations to support low-latency, dynamic UI updates, demonstrating reactive-programming fundamentals.