

# GAUTAM KUMAR

Bangalore, Karnataka, India -

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## EXPERIENCE

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### Flutter Developer / Software Development Engineer

Feb 2025 – Present

*Ailoitte*

*Bangalore, India*

- Designed and implemented mission-critical child safety systems including real-time location tracking and SOS alerts functioning reliably in killed app state, DND, silent mode, and background execution.
- Debugged complex lifecycle, concurrency, and zombie-state issues; performed root-cause analysis to eliminate missed alerts, race conditions, and inconsistent state restoration.
- Built lifecycle-aware dialog orchestration using queued and zombie-safe dialogs, significantly improving UX stability across background and app-restart scenarios.
- Implemented robust device online/offline detection and seamless multi-device session switching with state continuity and conflict resolution.
- Led performance optimizations by offloading heavy work to isolates, reducing UI jank, minimizing rebuilds, and improving long-session stability.
- Actively conducted code reviews enforcing architectural boundaries, performance best practices.

### Software Development Engineer

Sept 2023 – Aug 2024

*MithilaStack*

*Darbhanga, India*

- Established Flutter architecture from scratch including Clean Architecture layers, BLoC patterns, reusable components, and scalable project structure.
- Led mobile development efforts, improved debugging workflows, and enforced coding standards across multiple production applications.

## TECHNICAL SKILLS

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- **Languages:** Dart, Java, C++
- **Frameworks:** Flutter, Flutter Web
- **Architecture & Systems:** Clean Architecture, BLoC/Cubit, Hydrated BLoC, Platform Channels
- **Networking & Infra:** REST APIs, WebSockets, Dio, Retrofit, Firebase
- **Engineering Strengths:** Advanced debugging, performance optimization, code reviews, system design thinking

## SELECTED PROJECTS

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### Foodam – Enterprise Meal Subscription Platform

GitHub

*Clean Architecture, DDD*

- Architected 3-layer Clean Architecture with Repository pattern and dependency injection; implemented 6+ Cubits for core business flows.
- Reduced boilerplate by ~30% using reusable extensions and improved rebuild performance through selective listeners.

### Flutter OTT Streaming Platform

GitHub

*Video Streaming, Performance Optimization*

- Built Netflix-style OTT app with gesture-driven navigation and auto-play feeds; optimized memory, disposal, and long-session stability.

## EDUCATION

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### Darbhanga College of Engineering

Aug 2020 – Sept 2024

*B.Tech in Computer Science and Engineering*

## ACHIEVEMENTS

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- Ranked **#32 / 5000+** in CodeChef Long Challenge; qualified for SnackDown; participated in Google Kickstart; cleared GATE CS.