

# Ansh Gandharva



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## Profile

Senior Software Engineer specializing in Flutter and full-stack development with 4+ years of experience building scalable, modular, and test-driven mobile ecosystems. Proven record of leading architecture modernization, CI/CD automation, and multi-app platform delivery. Hands-on expertise in Flutter clean architecture, feature modularization, automated QA pipelines, and native integration. Passionate about developer velocity, maintainable codebases, and delivering business impact at scale.

## Experience

### Quicktouch Technologies Limited

Senior Mobile Engineer

May 2023 – Present

New Delhi, India

- Spearheaded development for 7+ enterprise-grade Flutter applications across ERP, fintech, HRMS, and IoT domains under a unified modular architecture.
- Architected scalable **Clean Architecture** base project supporting multiple business apps via shared packages (Melos-compatible structure).
- Developed a unified **Payment SDK** (UPI, card, wallet) with PCI-DSS compliant encryption, error handling, and analytics tracking.
- Designed a JSON-driven dynamic theming engine and introduced feature flagging for remote configuration via LaunchDarkly.
- Enhanced CI/CD pipelines with **GitHub Actions + Codemagic**, implementing parallel build caching and automated QA gates—cut release cycles by 70%.
- Integrated **Shorebird OTA updates** to enable real-time hotfix delivery with zero downtime.
- Built native **Kotlin/Swift modules** for secure Bluetooth communication and encrypted storage layers.
- Enforced **TDD/BDD practices**—increased coverage and reduced production crashes by 60%.
- Mentored junior engineers, ran code reviews, and standardized documentation across repositories.

### InnotekVerse Pvt. Ltd.

Software Engineer

Mar 2022 – Apr 2023

Noida, Uttar Pradesh

- Engineered **Vorphy**, an AR/VR learning platform combining Flutter and Unity3D, used by 30+ schools for immersive classroom experiences.
- Built a two-way Flutter–Unity communication bridge with native channels and event streams.
- Developed REST APIs in **Node.js/NestJS** for assessments, analytics, and student tracking with role-based access control.
- Automated build and release pipelines, introducing continuous integration and delivery for mobile + backend.

### SaiTec International Computer Consultants

Software Engineer Intern

Aug 2021 – Mar 2022

Noida, Uttar Pradesh

- Developed cross-platform **Flutter apps** and responsive **React.js dashboards** for government and enterprise clients.
- Built secure API integrations under strict compliance and accessibility standards.

## Key Projects

- **Quick Campus** – Large-scale School ERP ecosystem (4000+ schools). Architected and led two Flutter apps (Student & Staff) integrated backend and admin dashboard. Reduced manual processes by 60% and improved uptime through CI/CD automation and BLoC-based state management.
- **Quick Pay** – Merchant-facing mobile app built with Flutter for tracking payments, settlements, and transaction analytics. Designed to integrate seamlessly with the Quick Pay payment gateway backend, it enables merchants to monitor UPI, card, and wallet transactions, manage payouts, and receive real-time status updates and insights. Focused on performance, reliability, and secure API communication with

PCI-DSS aligned architecture.

- **Vein HRMS** – End-to-end HR suite featuring facial recognition and geofencing attendance, payroll automation, and AI-driven insights. Enabled instant patch delivery using **Shorebird OTA** and improved crash resilience by 50%.
- **Consolidate Fleet Tracker** – IoT-based vehicle tracking app using Flutter, Firebase, and MQTT for real-time GPS telemetry, route visualization, and fuel analytics.
- **Vorphy** – AR/VR classroom platform integrating Flutter + Unity3D for immersive education; optimized rendering and startup time by 40%.

## Core Competencies

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<b>Mobile Architecture</b>	Clean Architecture, Modular Monorepo, Feature-based Development, Dependency Injection
<b>State Management</b>	flutter_bloc, BLoC, Provider, GetX, Riverpod
<b>Networking &amp; Codegen</b>	Dio, retrofit, freezed, json_serializable, build_runner, mason
<b>Testing &amp; Quality</b>	TDD, Unit/Widget/Integration Tests, bdd_widget_test, Firebase Test Lab
<b>CI/CD &amp; DevOps</b>	GitHub Actions, Codemagic, OTA (Shorebird), Feature Flags, Release Automation
<b>Other Skills</b>	Kotlin/Swift Platform Channels, Firebase Suite, Analytics (Firebase , Sentry), Agile Delivery

## Technical Skills

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<b>Languages</b>	Dart, JavaScript, TypeScript, HTML, CSS, Kotlin (Intermediate)
<b>Frameworks &amp; Tools</b>	Flutter (Android & iOS), Node.js, NestJS, React.js, Unity3D, Firebase, Codemagic, Shorebird, GitHub Actions, Jira
<b>Databases</b>	MySQL, PostgreSQL, MongoDB
<b>Architectures &amp; Patterns</b>	MVC, MVVM, Clean Architecture, BLoC, GetX, Modular Monorepo
<b>Testing &amp; QA</b>	TDD, Widget Tests, Integration Tests, BDD (bdd_widget_test)

## Education

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**Galgotias University**  
*B.Tech in Computer Science and Technology*

*2018 – 2022*  
Greater Noida, India