

# Amaan Dhanerawala

Mobile Application Developer (Android & Flutter) | Real-Time Systems & Hardware Integration

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## Summary

Mobile Application Developer with 3+ years of experience building **high-performance Android and Flutter applications**, including real-time and hardware-integrated systems.

Specialized in **low-latency communication, WebRTC streaming, and mobile interfaces for connected devices**, with hands-on experience integrating mobile apps with robotics, IoT, and embedded systems.

Proven track record of delivering production-grade applications deployed in **live environments across Dubai and Abu Dhabi**, handling real-time data, telemetry, and hardware interaction.

Strong expertise in **Kotlin, Flutter, MVVM architecture, and scalable mobile system design**.

## Experience



Kody Technolab Limited

Ahmedabad, India

Mobile Engineer

12/2022 - Present

- Developed **Android** and **Flutter** applications for real-time control systems and connected devices.
- Built **low-latency** mobile interfaces for operator control and monitoring systems.
- Integrated mobile apps with hardware systems (robots, sensors, IoT devices) using **WebSockets, MQTT, and Serial/UART**.
- Implemented **WebRTC**-based video streaming for real-time monitoring.
- Designed scalable architectures supporting **real-time telemetry** and concurrent communication.
- Optimized application performance for low latency and high reliability in **production environments**.
- Led a team of 3 developers, managing delivery and code quality.



Praxware Technologies

Ahmedabad, India

Intern & Professor

12/2020 - 05/2022

- Conducted technical workshops on **C, C++, Java, and Python**
- Developed Android and Flutter demo applications with **REST API** and **SQL database** integration
- Guided students on application architecture and backend integration fundamentals



Myriad Solutionz

Ahmedabad, India

Data Manager

03/2019 - 05/2019

- Managed data for **100+ clients**, including **sensitive card information**, ensuring accuracy and security.
- Processed **two months** of client data within **4 days**, ensuring accuracy while meeting tight deadlines.

## Robotics Deployment Experience (UAE)

- Supported deployment and operation of **mobile-controlled robotics systems** across UAE environments including **BurJuman Mall, The Outlet Mall**, and BAPS Hindu Mandir (Abu Dhabi)
- Executed deployment at **GITEX Global** in collaboration with **e&** and **Falcon Tech Robotics**, managing live demos and high user interaction
- Performed real-time debugging of **mobile-to-hardware communication systems**, minimizing downtime during live operations
- Optimized system behavior for **low-latency communication and reliability in dynamic environments**

## Education

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Indus University

Ahmedabad, India

Bachelor of Technology

08/2019 - 05/2023

- Graduated with Bachelor of Computer Engineering Degree.

## Skills

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Mobile Development

Android (Kotlin), Java, Flutter, iOS

Real-Time Communication

WebSockets, Socket.IO, WebRTC, MQTT (basic understanding)

Architecture

MVVM, Clean Architecture, Scalable Mobile Systems

Robotics & Systems

ROS, Serial/UART Communication, IoT Systems

Performance & Systems

Low-latency systems, real-time telemetry, concurrent communication

Tools

Android Studio, Git, Firebase, IntelliJ, VS Code

## Key Achievements

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- **GITEX Global (Dubai)** – Increased engagement by managing robotics platforms for live demos at **GITEX Global**, attracting 300+ attendees.
- **Leaders' Dinner, BAPS Hindu Mandir (Abu Dhabi)** – Supported robotics deployment and operational setup, ensuring stable performance during live guest interactions.
- **Vibrant Gujarat Global Summit** – Assisted in robotics platform deployment, monitoring, and live event operations.