

# MUHAMMAD USMAN HAIDER

## Mobile Application Developer

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## Summary

Flutter developer with hands-on experience in building mobile applications using Flutter and Firebase. Skilled in implementing authentication, Firestore database integration, and cloud storage. Experienced in developing full-stack features using Node.js and Python for backend APIs and Firebase Cloud Functions. Passionate about creating efficient, user-friendly apps and improving performance through clean architecture and scalable design.

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## Skills

- **Frontend:** Flutter, Dart, Material Design, Cupertino Widgets, React.js
  - **Backend:** Node.js, Express.js, Python (Flask), Firebase Cloud Functions, REST APIs, Authentication (Firebase Auth)
  - **Databases:** MongoDB, Firebase (Firestore, Cloud Functions, Authentication, Storage)
  - **Tools:** Git, GitHub, GitLab, Postman
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## Projects

### ● MedCon – Healthcare App

- Developed a Cross-platform healthcare mobile application for patient–doctor interaction using Flutter.
- Utilized Cloud Firestore for real-time data storage, Firebase Storage for user files, and Firebase Cloud Messaging (FCM) for push notifications.
- Built backend APIs using Node.js and Express.js for modules like chat, SOS alerts, and community management.
- Integrated a Python (Flask) backend for AI-based modules such as disease detection and personalized care routine generation.

### ● Move-La – Cab Booking App

- Cab booking application using Flutter for cross-platform deployment and a Node.js and Express.js backend for core operations.
- Created RESTful APIs for ride booking, driver–rider matching, fare calculation, and trip status updates.

- Real-time location tracking using Google Maps API and synchronized ride coordinates with the backend via Web-Sockets.

- **Food Delivery App**

- Designed a cross-platform delivery management application using Flutter, enabling seamless order placement, tracking, and management.
- Role-based access control for customers, delivery personnel, and administrators using Firebase Authentication.
- Node.js + Express.js backend to handle order assignment, status updates, and administrative dashboards, providing a robust server-side infrastructure.
- Incorporated Google Maps API for live location tracking, route visualization, and optimized delivery routing.

- **Edu-Nest – Learning Management Platform**

- A full-stack web-based LMS enabling instructors and students to manage courses, assignments, and submissions efficiently.
  - Implemented user roles (instructor/student), course management, and file uploads via Multer.
  - Using Node.js and Express.js made RESTful APIs for course creation, enrollment management, assignment submissions, and feedback tracking.
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## **Education**

**Bachelor of Science in Computer Science**

2022–2026

COMSATS University Islamabad (CUI), Islamabad