



Muhammad Usman

Profile

Results-oriented IT professional and researcher with an MS in Information Technology and approximately two years of professional experience in Android and iOS application development. Experienced in conducting applied research in machine learning, deep learning, data analytics, image processing, GeoAI, and spatial data analysis, including research methodology, feature engineering, model evaluation, technical documentation, and scientific writing. Proficient in Flutter, Java, Swift, Node.js, Express.js, MongoDB, Firebase, Oracle Database, and Microsoft Azure, with practical experience in cross-platform application development, RESTful API integration, database management, cloud technologies, software maintenance, feature enhancement, and technical troubleshooting. Capable of combining software engineering and research expertise to develop reliable, data-driven, and user-focused technology solutions.

Personal Info

Name Muhammad Usman
Address Kharian, Gujrat, Pakistan

Contact



+92 347 3619154



muhammadusman41998@gmail.com



<https://www.linkedin.com/in/muhammad-usman-277097370/>

Portfolio

<https://portfolio.delizaiq.com/muhammad-usman-resume>

Programming Languages

C++
C#
Java
JavaScript
NodeJS
Python
Swift
Dart

Education

MS in Information Technology

University of Gujrat, Pakistan
Master's Degree / 18 Years of Education
Graduating on 9/01/2026

Experience

09/2021

Android Developer at PAKGIS

– 03/2022

- 1 year of experience at 'PakGIS' as an Android app developer.
- Worked on the development of LMS for students and teacher.

04/2022

iOS Developer at Walee Technologies Pvt. Ltd.

– 05/2023

- 1 year+ of experience at 'Walee Technologies Pvt. Ltd.' in iOS app development.
- Worked as an iOS mobile app developer at Walee Technologies and worked on the company's own product app named '**Walee**' an influencer marketing app.
- Worked on app maintenance (bug fixing) and development of new features.

My Projects / Activities

Delizaiq – Cross-Platform Food Delivery Application

Developed a cross-platform food delivery application using Flutter, designed to support customers, restaurants, and business operations through a unified digital platform. The application is currently in the final development stage and includes work on user interface design, app flow, feature implementation, Firebase integration, and product-level planning.

Technologies: Flutter, Dart, Firebase, Mobile App Development, Cross-Platform Development

Website: <https://www.delizaiq.com>

Full-Stack Social Media Mobile Application

Developed a social media mobile application similar to Facebook, including backend API development using Node.js and Express.js with MongoDB for database management. Integrated backend services with an iOS mobile application to support user-related features and app functionality.

Technologies: Node.js, Express.js, MongoDB, iOS Development, REST APIs

Mobile Diagnostic Cross-Platform Application

Developed a Flutter desktop application and Android mobile application for mobile device diagnostics. Implemented USB-based device detail detection and mobile test case features. Used Firebase Realtime Database to manage data communication between the desktop software and mobile application.

Technologies: Flutter, Dart, Android, Firebase Realtime Database, Desktop Application Development

Faculty Bus Verification and Tracking System

Completed a research-based final year project focused on reliable verification and tracking of faculty buses. Worked on system design, verification workflow, tracking logic etc.

Technologies: Android, Database Management, Tracking System, Research-Based Development

QR Code-Based Degree Verification Web Application

Developed a web application for degree verification using QR code scanning through a mobile camera. Used ngrok to test the web application on mobile browsers and demonstrate real-time verification functionality.

Technologies: Web Development, QR Code Verification, Mobile Browser Testing, ngrok

Zakat Calculator Android Application

Developed and published an Android application on the Google Play Store as a university term project. Built the application using Android development concepts and deployed it publicly for users.

Technologies: Android, Java, Google Play Store

Play Store: <https://play.google.com/store/apps/details?id=com.zakatapp.zakatapp2>

Point of Sale Desktop Application

Developed a C# desktop-based Point of Sale application with sales reporting features, including bar chart and pie chart visualizations to display business statistics.

Technologies: C#, Desktop Application Development, Database Design, Charts

Biometric Electronic Voting System

Developed a desktop-based electronic voting application using a fingerprint sensor module for voter verification and secure voting functionality.

Technologies: C#, Fingerprint Sensor, Hardware Integration, Desktop Application Development

IoT and Hardware Automation Projects

Developed hardware-based automation projects, including a self-driving remote-control car and an automated water tap system. Gained practical experience in sensors, automation logic, hardware integration, and IoT-based project development.

Technologies: IoT, Sensors, Automation, Hardware Integration

Cloud, Database, and System Exposure

Worked on Microsoft Azure Virtual Machines, Oracle database queries, relational database design, SQL concepts, Windows server management, and installation of operating systems including Linux and Ubuntu.

Technologies: Microsoft Azure, Oracle Database, SQL, Linux, Ubuntu, Windows Server

Additional Technical Activities

Worked with video editing tools and explored different software development workflows through academic, personal, and product-based projects.

AI, Data & Research Skills

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|----------------------|-------------------------|--|
| ✓ Machine Learning | ✓ Image Processing | ✓ Model Evaluation |
| ✓ Deep Learning | ✓ GeoAI | ✓ Research Methodology & Performance Analysis |
| ✓ Data Analytics | ✓ Spatial Data Analysis | ✓ Technical Documentation & Scientific Writing |
| ✓ Data Visualization | ✓ Feature Engineering | |

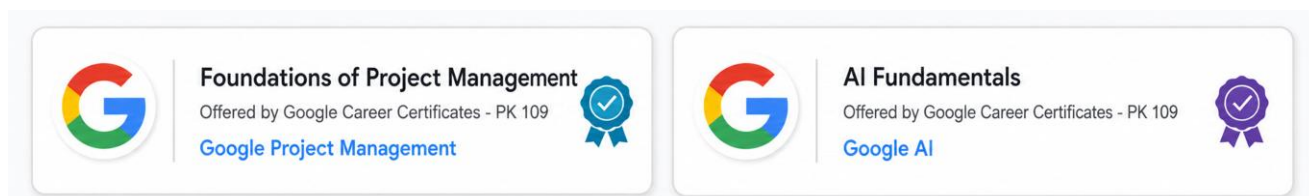
Certifications

Foundations of Project Management *(Google, Issued Apr 2026)*

Completed training in project management fundamentals, including project planning, task coordination, communication, stakeholder management, and structured project execution.

AI Fundamentals *(Google, Issued May 2026)*

Completed foundational training in artificial intelligence concepts, including basic AI principles, use cases, and practical applications of AI in modern technology.



Diploma in Computer Applications (DCA)

Completed certification covering computer applications, office tools, and core IT concepts.

Office Management Certification

Completed certification focused on office productivity, documentation, administrative workflows, and computer-based office tasks.