

MUHAMMAD UMAR AFZAL

SOFTWARE ENGINEER

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ABOUT

I'm a certified **Flutter** and **Android Developer**, and also **Software Engineering graduate** with hands-on experience in mobile development and IoT-based solutions. Proficient in Dart, Java and database management, with expertise in building real-time, user-focused applications.

EDUCATION

University of the Punjab	Punjab Group of Colleges
BS Software Engineering	FSC
2021-2025	2018-2020
CGPA: 3.59	Marks: 983/1100
Comprehensive School	
Matric	
2016-2018	
Marks: 1056/1100	

CERTIFICATION

Dev Valley Software House, Gujranwala	
Flutter App Development	2024
Android App Development	2023

WORK EXPERIENCE

Flutter Development	
Dev Valley, Gujranwala	
6 months	2024-2025
• Worked as a Flutter Developer at Dev Valley Software House, developing scalable mobile applications.	
• Implemented features using Dart, Firebase, and REST APIs , ensuring responsive and user-friendly interfaces.	
Android Development	
Dev Valley, Gujranwala	
6 months	2024
• Served as an Android Developer at Dev Valley Software House, developing mobile applications using Java, XML, and Firebase for real-time data and authentication.	
• Improved app performance and user experience through optimized UI and efficient backend .	

SKILLS

- Development
 - Flutter Development
 - Android Development
 - Rest API's
- Database
 - Firebase
 - SQL
- Tools/Frameworks
 - Android Studio
 - Flutter
 - Figma (UI/UX)
- Networking & Systems
 - Cisco Packet Tracer
 - Windows Server
 - Operating Systems
 - Virtual Machines
- Documentation
 - Software Project Documentation
- Others
 - Logic Building
 - Problem Solving

PROGRAMMING LANGUAGES

- Dart
- Java
- C++

LANGUAGES

- English
- Urdu

ACADEMIC EXPERIENCE

Web Development Project

2024-Semester Project

- Proficient in **HTML, CSS, JavaScript, & MERN stack.**
- Developed a **Railway Reservation Website** using MERN stack.
- Developed **Image filtration website** using HTML, CSS, JavaScript, React.

Networking Project

2023-Semester Project

- Designed a **Railway Reservation Network** using **Cisco Packet Tracer** with logical topology and hosted servers.
- Deployed the website on a virtual machine via a web server accessible through a Windows environment.

Virtual Machine

2023-Semester Project

- Hosted a **website & firewall** on windows server Virtual Machine VM

Database Project

2022-Semester project

- Created **WeCare Lab**, a laboratory database project using **Oracle SQL** in 2nd semester.
- Implemented full database structure and managed user **privileges** as Database Administrator.

C++ Project

2021-Semester Project

- Developed a **Food Ordering System** in C++ using Visual Studio as part of a 1st semester project.
- Gained foundational programming skills and hands-on experience in **object-oriented** design.

FYP PROJECT

Developed an **IoT-based Smart Home Controller System** with a **Flutter** app integrated with Firebase and REST APIs for real-time device control using:

- **Arduino UNO** for device controlling.
- **ESP32** fetching data from database for device communication with app.
- **Led's, RGB's, Fan** as devices.
- **Resisters, transister, diode** for controlling the flow of current to devices.