

MUHAMMAD UMAR AFZAL

SOFTWARE ENGINEER

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Model Town, Gujranwala

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
2021-2025

CGPA: 3.59

FSC

2018-2020

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, transistor, diode** for controlling the flow of current to devices.