

# MUHAMMAD ASAD KHAN

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## EDUCATION

### PMAS Arid Agriculture University

Bachelor Of Science In Computer Science

CGPA: 3.2

### Askaria Collage

Intermediate In Computer Science

## SKILL SUMMARY

- Languages:** C#, Dart, Kotlin, SQL, Html, Python
- Frameworks:** .Net, Flutter, Numpy, Matplotlib
- Platforms:** Android Studio, Visual Studio, Pycharm, Postman, Git
- Tools:** Excel, Powerpoint, MySQL

## WORK EXPERIENCE

### Flutter Developer Intern | YoungDev Interns | Remote

OCT 2024 – DEC 2024

- Developed mobile applications using Flutter & Dart, including projects like a Quiz Game, To-Do List, Weather App, and Calculator.
- Focused on UI/UX design, ensuring responsive and intuitive interfaces across various devices.
- Implemented state management techniques (e.g., Provider, setState) for dynamic app behavior and performance optimization.
- Integrated third-party services and RESTful APIs for real-time data (e.g., weather updates).
- Gained experience in building and testing Flutter applications and also developed RESTful APIs using the .NET Framework.

## PROJECTS

### Custom Compiler | Desktop Application

- Built a custom compiler in C# (.NET WinForms) to process user-defined programming syntax.
- Implemented lexical/syntax analysis, control structures, I/O, and error reporting.
- Designed an interactive UI for writing, compiling, and executing code seamlessly.

### Digital Notice Board | Mobile Application

- Developed a Wireless Digital Notice Board System with role-based interfaces for Admins, Teachers, and Students.
- Integrated scheduling, slideshows, and GSM-based communication using ASP.NET, Arduino, SQLite, and Android.
- Enabled real-time notice broadcasting with reliable server logic and high-speed wired data transfer.

### University Management System | Desktop Application

- Built a University Management System in C# (.NET WinForms) with SQL Server for secure data handling.
- Implemented role-based modules for Admin and Faculty, covering enrollment, grading, and reporting.
- Integrated Crystal Reports, timetable management, and transcript automation for streamlined operations.

### News Application | Mobile Application

- Developed a Flutter-based mobile application that fetches and displays the latest news using REST APIs.
- Integrated real-time data fetching, JSON parsing, and dynamic UI rendering for smooth user experience.
- Implemented category-based filtering, responsive design, and error handling for reliable performance across devices.

### Hotel Management System | Desktop Application

- Developed a Hotel Management System in C# (.NET WinForms) with SQL Server for secure data management.
- Implemented role-based modules for Admin and Receptionist covering bookings, check-ins, payments, and reporting.
- Integrated real-time room tracking, automated invoicing, and performance reports with Crystal Reports.

### Face Detection System | Python Application

- Developed a real-time Face Detection System in Python using OpenCV and pre-trained models to detect and count multiple faces accurately.
- Utilized pre-defined Haar cascades or deep learning models for efficient and reliable face detection.
- Created an intuitive interface to display live detection results, improving user interaction and experience.

## CERTIFICATE

### Mern Stack (University) | Certificate

- Completed MERN Stack certification, acquiring foundational knowledge in MongoDB, Express.js, React, and Node.js.
- Gained hands-on experience building full-stack web applications using the MERN technologies.

### .Net Full Stack Developer (Coursera) | Certificate

- Completed .NET Full Stack Developer course on Coursera, gaining skills in C#, ASP.NET, React, and SQL.
- Developed the ability to build scalable full-stack web applications using these technologies.