

# ALISHBA IQBAL

## SOFTWARE ENGINEERING STUDENT

### CONTACT

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### EDUCATION

**Bachelor of Science in Software Engineering**  
COMSATS University of Islamabad, Vehari Campus  
2023 – 2027 (Expected)  
**CGPA:** 3.67 / 4.00

**Intermediate (Pre-Engineering)**  
Punjab Group of Colleges, Vehari  
2021 – 2023

**Matriculation**  
Punjab Group of Colleges, Vehari  
2019 – 2021

### KEY SKILLS

**Programming Languages:** C++, Java, Dart, PHP, SQL

**Core Foundations:** Data Structures & Algorithms, Object-Oriented Programming, Problem Solving

**Frameworks & Technologies:** Flutter, Laravel, React, Tailwind CSS

**Databases:** MySQL, SQL Server

**Tools & Platforms:** Git, GitHub, Visual Studio, VS Code

### INTERESTS

- Large-scale software systems
- Scientific and research-driven computing
- Software architecture and system design
- Collaborative, international software projects

### PROFILE

Focused **BS Software Engineering undergraduate** with a strong academic record and hands-on experience in **software development, system design, and problem-solving**. Experienced through **research-oriented academic projects, industry-standard virtual job simulations, and a frontend internship**. Highly motivated to contribute to **large-scale, collaborative, and research-driven software systems**, with a particular interest in computing challenges aligned with **CERN openlab**.

### EXPERIENCE

**FRONTEND DEVELOPMENT INTERN (REACT)**  
**TKXEL, LAHORE**  
**AUG 2025 – AUG 2025**

- Developing interactive and reusable user interfaces using **React** and modern frontend practices
- Implementing responsive designs with **HTML, CSS, and Tailwind CSS**
- Collaborating in a professional development environment using **Git-based workflows**
- Gaining exposure to real-world software engineering standards, code quality, and team collaboration

**And virtual internship as react developer also from Jan 2026 – March 2026**

#### VIRTUAL JOB SIMULATIONS (FORAGE)

**Technology Software Development – Citi | Oct 2025**

- Designed and documented a structured software feature proposal
- Performed data querying and visualization tasks using web-based datasets
- Applied analytical thinking to solve technology challenges in a financial context

**Software Engineering – Electronic Arts (EA) | Oct 2025**

- Proposed new software features and designed object-oriented class structures
- Implemented a basic inventory system demonstrating modular and maintainable design

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## Solutions Architecture – AWS | Oct 2025

- Designed a simple, scalable cloud hosting architecture
- Gained practical understanding of scalability, availability, and system design concepts

## Additional Forage Virtual Simulations – IN PROGRESS

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### SOFTWARE ENGINEERING PROJECTS

#### **Ice Cream Parlor Management System**

- Desktop application developed using **C# (Visual Studio)** with **SQL Server** integration
- Implemented database operations and business logic in both GUI and console-based versions

#### **Tic Tac Toe Game**

- Console-based implementation using programming fundamentals
- GUI-based version developed in **Python**, focusing on user interaction

#### **Quiz Application (Console-Based)**

- Designed using **object-oriented programming principles**
- Implemented modular structure for questions, scoring, and user interaction

#### **Task Management Application (PlanNTrack)**

- Mobile application developed using **Flutter and Dart**
- Implemented task creation, tracking, and basic state management

#### **Point of Sale System (Mobile Shop)**

Flutter-based POS application focusing on UI structure and logical separation

#### **CGPA Calculator Application**

- Mobile application implementing **COMSATS grading system logic**

#### **BMI Calculator Application**

- Flutter-based application with input validation and result interpretation

#### **Islamic Application (DeenMate)**

- Feature-rich mobile application including **Quran access, Qibla direction, prayer timings, and Islamic resources**

#### **Finance Tracker Web Application**

- Full-stack web application using **Laravel, PHP, Bootstrap, and MySQL**
- Implemented CRUD operations and basic financial data management