

EDUCATION

Quaid-i-Azam University – Bachelor's in Computer Science

Oct 23 – Jun 27

- Key Courses: Programming and Problem-Solving, Object-Oriented Programming, Data Structures and Algorithms, DBMS

CERTIFICATIONS

Flutter and Dart: Developing iOS, Android, and Mobile Apps – IBM

Nov 24 – Jan 25

- Learned how to develop cross-platform mobile applications using Flutter and Dart.
- Gained expertise in building UI/UX friendly apps with responsive designs.
- Worked on API integration, database management, and performance optimization.
- Implemented navigation, form validation, and database integration.

The Structured Query Language (SQL) – University of Colorado Boulder

Dec 24 – Jan 25

- Learned about the origins and historical basis of SQL.
- Gained expertise in standard SQL usage and syntax.
- Developed skills to code SQL queries for analyzing data stored in relational databases.
- Worked with PostgreSQL for database querying and management.

PROJECTS

Movie Booking System (C++ and File Handling)

- [GitHub-Repository](#)

May 24

The C++ Movie Booking System is a console-based application that allows both customers and a predefined manager to interact efficiently. It includes a secure authentication system with sign-up, sign-in, and password reset options. The manager can schedule movies up to three days in advance, while customers can browse schedules, book tickets, and review bookings. With real-time updates and data persistence, the system ensures a smooth experience. Built using OOP principles, it effectively manages user roles, ticketing, and scheduling.

Wallpaper App (Using Flutter and Dart)

- [GitHub-Repository](#)

Mar 25

Designed and developed a Flutter-based Wallpaper App that integrates the Pexels API to fetch and display high-quality images. The app loads 80 images per API call and dynamically fetches more upon user request. Users can browse, select, and set wallpapers directly to their home screen with a single tap. Implemented efficient API handling, optimized performance for smooth scrolling, and ensured a seamless UI/UX experience. The project showcases strong Flutter development skills, API integration, and state management.

Expense Tracker (Using Flutter and Dart)

- [GitHub-Repository](#)

Jan 25

The Expense Tracker App is a personal finance management application built with Flutter that enables users to record, track, and analyze their daily expenses. Users can categorize their spending, set budgets, and monitor their financial habits over time. The app uses local storage for secure and offline data management, ensuring that all records remain accessible without an internet connection. The simple yet effective design allows for quick data entry and insightful expense summaries, making financial tracking effortless.

SKILLS

- **Programming Languages:** C++, Dart, Python, SQL
- **Technologies:** Flutter, Firebase, PostgreSQL, Git
- **Development Tools:** Android Studio, VS Code, GitHub
- **Soft Skills:** Debugging, Documentation, Team Collaboration