

Muhammad Umer

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Education

FAST NATIONAL UNIVERSITY OF COMPUTING AND EMERGING SCIENCES

Bachelors in Software Engineering

CFD Campus, Pakistan

August 2021-Present

Superior Group of Colleges

Intermediate in Computer Sciences

Faisalabad, Pakistan

2019-2021

Honors & Awards

- 🏆 Hackathon Winner – GIKI (2025) – 3rd place for App development
- 🏆 Software Sprint – DAIRA (2024) – 1st place in a timed software challenge
- 🏆 Speed Programming – NASCON (2024) – Won coding competition under time pressure

Technical Skills

Programming Language & Tools

- C++, Python, C#, Java, Ubuntu, Git, SQL, xampp, postman, Dart, Flutter, Docker

Software Engineering Skills

- Object-Oriented Programming (OOP), Data Structures, Algorithms, Software Design Patterns, Agile Methodologies, Version Control (Git), Database Management (SQL), API Development, Unit Testing

App Development

- Flutter (State Management: Provider, Riverpod, Bloc), Dart, Java, Firebase (Authentication, Firestore, Cloud Functions), RESTful APIs, Material Design, App Deployment (Google Play Store, Apple App Store), Push Notifications, Local Storage (Shared Preferences, SQLite)

Selected Projects

Build Buddy (Final Year Project) — Present

Home construction app built with Flutter (MVVM) and Firebase, featuring project management, vendor integration, contractor selection, and real-time communication tools.

Mershad (AI-Powered Tour Guide) — 2024

AI-powered travel assistant for Saudi tourists with Absher/Nafath integration, offering hotel booking, car rental, activity planning, currency exchange, and emergency support.

GroceryMate— 2023

Smart grocery list app built with Flutter & Firebase, featuring real-time sharing, barcode scanning, and speech-to-text input.

HealthSync (Personal Health Tracker) — 2024

Flutter-based health app with fitness, diet tracking, Google Fit integration, reminders, chatbot, and telemedicine booking.

Academic Experience

Mobile Development Intern – FastDev

Worked on Flutter apps, AI chatbots, and web security projects for clients.
Built custom apps with real-time DBs, Stripe, Firebase Auth, and AI features.
Performed security audits and code optimizations.

Extracurricular & Volunteer Experience

FCAP (FAST Club of App Development Society, CFD Campus)

2023-Present

- **Admin Head of Society** (Leading around 70+ students currently)

Interests

- Flutter, Java, App Development, SQA, AI, ML, Swift