



Muhammad Usman

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PERSONAL PROFILE

Second-year Computer Science undergraduate at Asia Pacific University with hands-on experience in software development, mobile application development, data structures, and IT support. Skilled in Flutter, Firebase, Java, Python, C/C++, SQL, C#, and object-oriented programming. Built 8+ software projects including mobile applications, web applications, point-of-sale systems, AI chatbots, and data analysis solutions. Seeking an internship opportunity to apply technical skills and contribute to real-world technology projects.

EDUCATION

Asia Pacific University Kuala Lumpur, Malaysia Bachelor of Computer Science	2024 – Present
NCC UK – TMUC Bahria Springs Rawalpindi, Pakistan Level 3 International Foundation Diploma in Computer Science	2023 – 2024
Punjab Board Faisalabad, Pakistan Matriculation in Computer Science	2018 – 2020

PROJECTS

QueueCare | Flutter & Firebase Smart Queue Management App

- Developed QueueCare, a Flutter and Firebase-based smart queue management system supporting 3 roles: Patient, Receptionist, and Doctor.
- Built 15+ features including live queue tracking, QR check-in, doctor availability, notifications, appointment management, and patient history.
- Implemented Firebase Authentication, Cloud Firestore, role-based access control, and real-time queue updates.

UniBudget+ | Flutter & Firebase Budget Management App

- Created UniBudget+, a personal Flutter and Firebase budget management app supporting 3 roles: Student, Parent, and Admin.
- Built 10+ features including expense tracking, monthly budgets, analytics, funding requests, parent advice, profile image upload, and dark mode.
- Designed 15+ mobile/web screens and deployed the web version using Firebase Hosting with Android APK release preparation.

LearnQuest | ASP.NET, C#, JavaScript, TSQL

- Designed LearnQuest, an interactive learning platform web application using ASP.NET, C#, JavaScript, and TSQL.
- Built 6+ core modules including user registration, login, learning content access, quiz/assessment features, progress tracking, and admin management.
- Implemented database-driven functionality with TSQL to manage user data, learning records, and platform content.

NASM POS System | NASM x86-64 Assembly, Linux

- Engineered a Point of Sale (POS) system using NASM x86-64 Assembly Language on Ubuntu Linux.
- Built 10+ features including login authentication, inventory management, shopping cart, checkout, coupon discounts, sales reporting, and transaction cancellation.
- Implemented file handling, stock management, real-time date/time display, and daily sales summary generation.

Carbon Emission Analysis System | C++, Data Structures

- Implemented a carbon emission analysis system using Arrays and core Data Structures concepts in C++.
- Built sorting, searching, city comparison, age group analysis, transport analysis, and emission reporting features.
- Implemented Bubble Sort, Insertion Sort, Binary Search, and performance analysis using real-world datasets.

Course Recovery System (CRS) | Java, Java Swing GUI

- Developed a Java-based academic system with 3+ core modules, including course recovery, eligibility tracking, and password recovery.
- Designed 3 Java Swing GUI screens for login, OTP verification, and password recovery.
- Applied 4 OOP principles: encapsulation, inheritance, abstraction, and polymorphism

AI Chatbot for Property Agents | Python, NLP, AI

- Created an AI chatbot to handle property inquiries, user preferences, and recommendation flows.
- Designed conversational flows for automated customer responses, reducing the need for manual reply handling.

WORK EXPERIENCE

Technical Assistant Trainee | Asia Pacific University, Kuala Lumpur

Sep 2025 – Nov 2025

- Provided technical support for lab computers across computer lab and classroom environments.
- Resolved hardware, software, networking, and system configuration issues during a 3-month trainee period.
- Supported daily IT operations to maintain smooth usage of academic lab facilities for students and staff.

CERTIFICATIONS

- Red Hat System Administration I (RH124) – **Red Hat**
- CCNA: Introduction to Networks – **Cisco Networking Academy**
- 5G Pioneers Program – **Ericsson**
- Microsoft Office Specialist (MOS): Word 2019 Associate – **Microsoft**

TECHNICAL SKILLS

Languages: Java, Python, C/C++, Dart, SQL, C#

Frameworks & Technologies: Flutter, ASP.NET, Firebase, Cloud Firestore, Git, GitHub

Concepts: OOP, Data Structures & Algorithms, Database Management, Software Testing

Tools: VS Code, Android Studio, Visual Studio, NetBeans, VirtualBox, SAP ERP

LANGUAGES

English, Urdu