



Muhammad Usman

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PERSONAL PROFILE

Computer Science undergraduate at Asia Pacific University with hands-on experience in **8+ IT projects** covering programming, networking, Linux system administration, SAP ERP, and IT support. Skilled in Java, Python, C/C++, Linux, Cisco Packet Tracer, and database concepts. Completed projects involving GUI applications, inventory systems, AI chatbot development, enterprise network simulation, and server administration. Seeking an internship opportunity to apply technical skills, support real-world IT operations, and contribute to innovative technology solutions.

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

UniBudget+ Flutter & Firebase Budget Management App

- Developed 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.

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

University Management System (UMS) | Python

- Built a command-line system to manage **student records, enrolments, and grades** using Python.
- Used **CSV file handling** to store and retrieve academic data across multiple system functions.
- Implemented role-based access for **multiple user types**, improving data control and system organization.

Enterprise Inventory Management System | C Language

- Developed an inventory system with **multiple product-management functions**, including add, update, delete, search, and reporting.
- Implemented file handling in C to support **persistent data storage** and stock reporting.
- Organized the program into **modular components** to improve maintainability and debugging.

AI Chatbot for Property Agents | Python, NLP, AI

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

Enterprise Network Design & Simulation | Cisco Packet Tracer

- Designed LAN/WAN network infrastructure using Cisco Packet Tracer for **multiple departments/users**.
- Applied VLSM and subnetting to create an efficient IP addressing structure.
- Simulated routing and switching to test end-to-end communication between network devices.

Cross-Platform Server & Domain Administration | Rocky Linux, Ubuntu & VirtualBox

- Configured **1 Rocky Linux server** and **1 Ubuntu client** in a VirtualBox lab environment.
- Implemented **3+ server services**, including DNS, web hosting, and email services.
- Managed Linux users, permissions, and system configurations to support secure administration.

SAP ERP MM/MM/SD System | SAP ERP

- Practiced SAP ERP processes across **3 functional areas**: SD, MM, and WM.
- Worked with SD tasks including sales order handling, billing, and distribution process flow.
- Supported MM and WM activities related to procurement, stock management, storage, and inventory tracking.

WORK EXPERIENCE

Technical Assistant Trainee | Asia Pacific University, Kuala Lumpur

Sep 2025 – Nov 2025

- Provided technical support for lab systems, computer equipment, and basic networking issues during a **3-month trainee period**.
- Assisted in troubleshooting hardware, software, and system configuration issues for computer lab and classroom environments.
- Supported daily IT operations to maintain smooth usage of academic lab facilities.

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

Programming: Python, C/C++, Java

Networking & Systems: LAN/WAN, Linux (Ubuntu, Rocky), Cisco Packet Tracer

Concepts: OOP, Data Structures & Algorithms, Database Management

Tools: GitHub, Visual Studio Code, NetBeans, VirtualBox, SAP ERP

LANGUAGES

English | Urdu/Hindi