Alishba Ikhlaq
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Education

Usman Institute of Technology (UIT) University, Karachi.   BS Software Engineering.

CGPA -3.03   Mar2023 – Mar 2027.

Completed Coursework in: Programming Fundamentals, Computer Organization and Assembly, Database Management Systems, Operating Systems, Object-Oriented Programming (OOP), Data Structures and Algorithms, Discrete structures, Software requirement Engineering, Artificial Intelligence, Computer Networks, Software Design & Architecture, Human Computer Interaction.

Technical Skills

Languages C/C++, Java, Python, SQL, JavaScript.

Web, Frameworks & Databases: NodeJS, ReactJS, Tailwind CSS, Flask, Django, MongoDB, SQLite, Oracle.

Tools: VS Code, Git, Oracle, Kali Linux, Linux, Hacker Rank, Packet tracer, PLS-SEM, Figma

 Practices: Agile methodologies, Version Control

Experience

Walmart Global Tech(Remote Internship)   JAN2025 – FEB2025

- Built a custom heap data structure in Java for the shipping department, enhancing efficiency.

- Designed UML class diagrams and ERDs to model multi-mode data processors and pet department databases.

Electronic Arts(Remote Internship)   JUNE2025 – JULY2025

- Proposed a new feature for *EA Sports College Football* and documented it for stakeholders.

- Designed class diagrams, created C++ header files, and optimized the codebase with improved data structures.

Certifications

- **Google:** Soft Skill Program

- **CISCO:** Networking Basics

- **Udemy:** R-Programming Diploma

- **Udemy:** Machine Learning with Python A to Z

Projects

AI Timetable Generator (Python, ReactJS, Tailwind CSS, Flask):

- Built an AI-powered tool using Python and Flask to read CSV data, auto-generate clash-free timetables in PDF, detect conflicts, suggest fixes, and handle class rescheduling, reducing manual scheduling effort by 80%.

Internfy (Python, Flask, HTML, CSS, SQLite)

- A full-stack virtual internship platform with student, mentor, and admin dashboards, secure authentication, and task management.

- Integrated AI-powered skill suggestor (based on user's degree) and automatic cover letter generator, developed using Python, Flask, and a relational database for an end-to-end, user-friendly experience.

Phish Alert:(Kali Linux, Python, PHP)

- Simulated a Facebook-style phishing page using PHP on Kali Linux

- Used Python scripts to capture OS, browser, IP, location, and device data via GeoIP APIs.

Food Ordering System (Java, ReactJS, SQL)

- Developed a full-stack app using Java and Oracle.

- Added authentication, order tracking, and payment integration.