

# Arfa Rumman Khalid

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## Education

<b>Bachelors in Computer Science</b> , <i>University of Engineering &amp; Technology, Lahore NC</i>	2022 – 2026
<b>Intermediate in Computer Science</b> , <i>Punjab Group of Colleges</i>	2020 – 2022

## Professional Experience

**Jr. Frontend Web Developer**, *TechnoHacks* 09/2023 – 10/2023

During a one-month internship at Technohacks, I engaged in web design and coding projects, enhancing my skills in HTML, CSS, and JavaScript. This hands-on experience bolstered my proficiency in web development.

### Graphic Designer

Certified graphic designer from the University of Engineering and Technology, Lahore, accredited by ACM society. Skilled in creating flyers, logos, posters, and pamphlets. Volunteered graphic design expertise for organizations including Tayyaba Foundation, Al Zareen Institute, Jamiyat-Ulmae Islam, and Free Pani Organization.

## Projects

### TCP/IP Client-Server Model, *(Operating System, Windows Subsystem for Linux)*

Developed TCP/IP Client-Server System in C on WSL with sockets and multithreading. Supports live chat, voice messaging, file transfer, and calculator. Used socket programming, thread management, and IPC for efficiency, showcasing network and OS skills.

### Advanced C++ Management Systems, *(Data Structures & Algorithm, Object Oriented Programming)*

Developed Restaurant Management System in C++ with user authentication, menu management, and order handling. Used OOP principles, file handling. Also created Online Food Ordering and Advanced Car Parking System projects with data structures. Demonstrates proficiency in C++, system design, and advanced data structures.

### Hostel Management System, *(Assembly x86, MASM)*

Crafted a Hostel Management System in assembly language using MASM. Efficiently manages room allocation, fee collection, and student records, demonstrating expertise in register utilization and computer architecture understanding.

## Skills

C & C++	HTML5 & CSS
SQL	Assembly x86
Windows Subsystem for Linux	Microsoft Office
Adobe Photoshop	Adobe Illustrator

## References

**Ms. Drakhshan Bokhat**, *Lecturer at Department of Computer Science, UET New Campus (KSK)*  
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