

# Waleed Arshad

Batch Representative at LUMS Student Council  
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## KEY SKILLS

Communication  
Dedication  
Commitment towards work  
Team man  
Leadership

## LEADERSHIP

Chair Welfare Committee,  
Student Council  
Chair Academic Committee,  
Student Council  
Director PhotoLUMS

## COURSEWORK

Object Oriented Programming  
Data Structures  
Programming in Python  
Fundamental of Computer Science  
Discrete Mathematics  
Calculus 1 and 2  
Network Centric-Computing  
Micro and Macro Economics  
Human-Computer Interface  
Database  
Algorithms

## SKILLS

User Experience (UX), and User Interface (UI) & Qualitative Research

### PROGRAMMING

Python • C/C++ • MATLAB • C • LaTeX • Haskell • Typescript

### TOOLS/APPLICATIONS

Visual Studio • MATLAB • MS Excel • MS Word • Canva

### OPERATING SYSTEMS

Windows • Linux

## EXTRACURRICULAR

National and International STEM competitions • Community Service • Magazine Editor • Research activities

## LINKS

LinkedIn: <https://www.linkedin.com/in/waleed-arshad/>

Writing: [www.setsmag.com](http://www.setsmag.com)

## EDUCATION

### LAHORE UNIVERSITY OF MANAGEMENT SCIENCE (LUMS)

September 2020 – June 2024 | Lahore, Pakistan

#### BS IN COMPUTER SCIENCE

Expected June. 2024

CGPA: 3.60

School of Science and Engineering (SSE)

### LAHORE GRAMMAR SCHOOL | O AND A LEVEL

August 2015 – June 2020 | Lahore, Pakistan

#### Cambridge GCE O-level:

11 A\*s/As (Phy, Maths, Bio, Chem, CS)

#### Cambridge GCE A-level:

3 A\*s and 1 A (Mathematics, Physics, Economics, Urdu)

100 percent scholarship for two years of Alevel

## PROJECTS

### PRIVACY AND DIGITAL SAFETY OF CREATORS IN PAKISTAN

Conducting qualitative research on the digital safety of content creators in Pakistan in collaboration with CISPA Institute. Our main goal is to provide better resources to digital content creators in Pakistan for their safety.

### PROJECT IMDAAD

As part of HCI project, conducted user-research, and designed a user interface to help with Emergency Relief efforts. Project Imdaad would help connect NGOs and donors to assist emergency relief efforts.

### CHAT SERVER - NETWORKING

Made a chat application using socket programming in Python. Implemented both unreliable and reliable transport using UDP and TCP. The program catered to multi-user using network threading.

### CERN BEAMLINE FOR SCHOOL (BL4S)

Analyzed Bremsstrahlung radiation and how that could help to distinguish matter/antimatter. Top 20 teams out of 178 teams and 49 countries.

### LIBRARY MANAGEMENT SYSTEM

Made front-end and back-end for the database course project. Used react for frontend and node.js for backend, and used SQL for database

### FINDING THE BLUE SKIES: ANALYZING LAHORE'S AIR QUALITY

Air pollution has become a significant health hazard in the city of Lahore. I analyzed the data from the US consulate, Environment Protection Department (EPD) Punjab, and crowd-sourced using MATLAB.

## HONORS/AWARDS

2022-2023

Batch Representative at LUMS Student Council

2020-2024

Recipient of 100 percent undergraduate tuition scholarship (external)

2021-2023

Placed on Dean Honor List

2020

Selected for Stanford's Code In Place CS106A