

# Zaeem Mohtashim Khan

Computer Science @  
LUMS

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## Education

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106 D State Life Housing Society

Lahore

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[LinkedIn](#)

[Website](#)

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Lahore University of Management Sciences | CGPA:3.88

2022 - 2026

Major: BSc (Honors) Computer Science

Minor: Robotics

Relevant Courses: Deep Learning, Topics in Large Language Models, Junior Design Studio - Robotics, Mobile Robotics, Operating Systems, Distributed Systems, Data Structures, Algorithms, Network Centric Computing,

Lahore Grammar School JT Advanced Level | 1A\* and 3A's

2020-20

Subjects: Further Maths, Maths, Physics, Chemistry

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## Professional Experience

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Orpheus Magazine / Editor

June 2021 - August 2023

Editor for Pakistan's first literary magazine. Led the design and media departments and wrote several published short stories. Also designed the website for the magazine.

Freelance / Script Writer

March 2023 - June 2024

Wrote scripts for different YouTube channels, mainly focusing on Formula 1 news content.

Lahore University of Management Sciences / Research Assistant

May 2024 - September 2024

Research assistant under Dr Zartash Afzal, where a group of four people redesigned the **Fundamentals of Computer Science** course for incoming batches.

Lahore University of Management Sciences / Head Teacher's Assistant -  
Fundamentals of Computer Science

September 2024 - December 2024

Head TA for the course **Fundamentals of Computer Science**. Was involved in design of assignments and labs along with guiding a batch of 300+ students in Object Oriented Programming.

**Lahore University of Management Sciences / Teacher's Assistant -  
Network Centric Computing**

January 2025 - May 2025

Provided guidance and assistance to 200+ students to help them understand key web programming concepts. Conducted tutorial for programming assignment and 4hr office hours per week, delivering in-depth explanations of key

**Systems Limited / Intern - VSI Data Analytics**

June 2025 - July 2025

Worked with SQL Server Management Studio (SSMS) to design, query, and manage datasets. Gained hands-on experience in SSIS integration for efficient ETL workflows and data pipeline automation.

**Lahore University of Management Sciences / Teacher's Assistant -  
Introduction to Blockchain**

September 2025 - Present

Helped in designing and testing of Programming Assignments. Guided 150 students in key concepts related to blockchain; ran tutorials and ~4 hrs/week office hours; developed explanations and support for programming assignments.

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## Project Experience

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**Protecting Young Users: Leveraging Multimodal Large Language  
Models for Enhanced Content Moderation on YouTube**

November 2024 - Present

Co-authored a paper that studies the feasibility of using LLMs to detect and classify children's content and ads on YouTube.

**LUMScape**

Jan 2025 - June 2025

A 3d rendition of LUMS that allows users to navigate the campus and view current and upcoming events. Developed on Unity in a team of 5.

**Trash Skimming Boat**

March 2025 - June 2025

In a team of 2, we are developing a working boat that uses vision models to detect and collect trash from water bodies.

## **Mastani: Fetch – A Multimodal Robotic Framework for Autonomous Object Retrieval**

March 2025 - June 2025

Developed a novel robotic system based on DJI Robomaster, leveraging Gemini 2.0 multimodal models for real-time multilingual command interpretation, environment scanning, obstacle avoidance, and object retrieval in cluttered indoor environments.

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## **Awards**

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### **Deans Honor List**

1st, 2nd, and 3rd Year

### **100% Merit Scholarship in A Levels**

August 2020 - May 2022