




# Abdul Basit

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## EDUCATION

### Lahore University of Management Sciences (LUMS)

BS – Computer Science

09/22 – Present (Anticipated: 05/26)

CGPA: 3.47/4.00

- Completed seven teaching assistantships during undergraduate studies.
- Relevant Coursework: Advanced Programming, Applied Probability, Data Structures & Algorithms, Deep Learning, Network-Centric Computing, Network Security, Operating Systems, Software Engineering, Statistics & Data Analysis.

### Islamia College Peshawar

High School (Subjects: Maths, Phy & Chem)

09/20 – 05/22

Score: 95.45/100

- Ranked 2nd in graduating batch of 2022.
- Best in Mathematics across the board.

## EXPERIENCE

### Lahore University of Management Sciences

Undergraduate Teaching Assistant

09/23 – Present

Lahore, Pakistan

- CS310/CS5102: Algorithms (Fall 2025) – Dr. Imdad Ullah Khan
- CS501/EE515/MATH439: Applied Probability (Fall 2025) – Dr. M. Awais, Dr. Asim Karim
- MATH230: Probability (Spring 2025) – Dr. Ijaz Haider Naqvi
- MATH102: Calculus II (Fall 2024) – Dr. Waqas Ali Azhar
- MATH120: Linear Algebra with Differential Equations (Summer 2024) – Dr. Waqas Ali Azhar
- MATH101: Calculus I (Summer 2025) – Dr. Shehryar Sikander
- MATH101: Calculus I (Fall 2023) – Dr. Haniya Azam, Dr. Asgher Ali

## PROJECTS

### SALER x SQUID GAME

Designed a collection of 3 strategic board games inspired by Netflix's *Squid Game*. Features dynamic theming, responsive design, and universal music control.

*Technologies: JavaScript, CSS, HTML*

08/25

[Demo](#)

### ColorGrid

Built a real-time multiplayer 5x5 grid game with leaderboards and profile customization.

*Technologies: React, Node.js/Express, Socket.io, MongoDB*

08/25

[Demo](#)

### SmartCart Commerce (Group Project)

Developed a full-stack e-commerce web application with product listings, shopping cart, and secure checkout.

*Technologies: Next.js, React, TypeScript, Tailwind CSS*

01/25 – 05/25

[Demo](#)

### Smart House System

Engineered an automated home management system for water, temperature, and lighting using sensors and digital logic.

*Technologies: Sensors, Relays, Digital Logic*

03/24 – 04/24

[Poster](#)

## TECHNICAL SKILLS

**Programming Languages:** C++, C, Python, Go, JavaScript    **ML/AI:** NumPy, Pandas, Matplotlib, Scikit

**Web/App Development:** HTML, CSS, Django, React, Next.js, Node.js

**Miscellaneous:** Git, MongoDB, Data Analysis, Mathematical Modeling, Bash, L<sup>A</sup>T<sub>E</sub>X

## POSITIONS OF RESPONSIBILITY

### Lead Teaching Assistant, Probability

Led a team of 3 TAs in preparing assignments, quizzes, and grading. Conducted office hours and tutorials. Contributed questions to midterm and final exams.

01/25 – 05/25

### Media & Logistics Director, LUMS Mathematics Society (LSMS)

Organized flagship events (*Sigma IX*, *Integration Bee*) to promote problem-solving culture. Managed outreach and collaborations. Designed and maintained LSMS's social media presence (@lsmslums).

09/24 – 05/25

