

Abdul Basit

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EDUCATION

Lahore University of Management Sciences (LUMS)

09/22 – 05/26

Bachelor's degree, Computer Science

- Relevant Coursework: Algorithms, Applied Probability, Calculus II, Data Structures, Deep Learning, Generative AI, Linear Algebra, Network Security, Principles & Techniques of Data Science, Software Engineering, Statistics & Data Analysis

Islamia College Peshawar

09/20 – 05/22

High School (Subjects: Maths, Phy & Chem)

Score: 95.45/100

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

EXPERIENCE

National Institute of Technology

Lahore, Pakistan

Lab Instructor / Teaching Fellow

08/26 – Present

- Lead computer science laboratory sessions, providing hands-on instruction and guidance to students on programming and core computing concepts.
- Design and develop graded course components, including laboratory assignments, quizzes, and practical examinations.
- Guide students through laboratory exercises, debug technical problems, evaluate submissions, and provide feedback on their work.
- Coordinate laboratory instruction and assessments to ensure alignment with course objectives and lecture content.

Lahore University of Management Sciences

Lahore, Pakistan

Teaching Fellow

06/26 – 07/26

- **Mathematics:** MATH230 Probability (Summer 2026)
- Led tutorials and academic support for 100+ undergraduate students covering probability, statistical reasoning, and quantitative problem solving.
- Designed and authored course assessments, including quizzes, assignments, the midterm, and final exam, and managed their grading and evaluation.
- Coordinated course operations with the faculty instructor, including assessment scheduling, grading timelines, and student queries.

Undergraduate Teaching Assistant

09/23 – 05/26

- Completed nine undergraduate teaching assistantships across Computer Science, Mathematics, and Business.
- **Computer Science:** CS360 Software Engineering (Spring 2026); CS310/CS5102 Algorithms (Fall 2025); CS501/EE515/MATH439 Applied Probability (Fall 2025).
- **Mathematics:** MATH230 Probability (Spring 2025); MATH102 Calculus II (Fall 2024); MATH120 Linear Algebra with Differential Equations (Summer 2024); MATH101 Calculus I (Summer 2025, Fall 2023).
- **Business/Data:** DISC325 Business Data Management (Spring 2026).
- Conducted tutorials and office hours, evaluated technical work, and communicated complex quantitative and computational concepts to large student cohorts.

POSITIONS OF RESPONSIBILITY

Lead Teaching Assistant, Algorithms

09/25 – 12/25

Led a team of 7 TAs in designing and scheduling all the surprise quizzes and grading quizzes, assignments, and exams for 300+ students. Managed a slack channel for student queries, conducted office hours, and handled all contestations, ensuring smooth communication and support throughout the semester.

Lead Teaching Assistant, Probability

01/25 – 05/25

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

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

09/24 – 05/25

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).

TECHNICAL SKILLS

Programming Languages: C++, C, Java, TypeScript, Python, SQL, $\text{\LaTeX}$

AI / Data: scikit-learn, Pandas, NumPy, Matplotlib, Machine Learning, Statistical Analysis

Software Engineering: React, Node.js, Express.js, REST APIs, Socket.IO, MongoDB, Git

Core: Data Structures & Algorithms, OOP, Databases, Testing, Mathematical Modeling