

Farah Batool

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ABOUT ME

Highly analytical and detail-oriented Mathematics expert with deep expertise in mathematical modeling, problem-solving, and quantitative analysis. Skilled in applying advanced mathematical techniques across pure and applied domains, including statistics, algebra, optimization, and data analysis. Experienced in conducting research, interpreting complex data, and delivering clear, logical solutions to abstract and real-world challenges. Adept at communicating complex concepts to diverse audiences, mentoring students, and collaborating across disciplines. Passionate about leveraging mathematics to drive innovation, support decision-making, and contribute to both academic and industry advancements.

WORK EXPERIENCE

Step Schools

Mathematics teacher

[15/11/2025 – Current]

Planned and delivered engaging mathematics lessons aligned with the school curriculum.
Taught key concepts such as number operations, place value, fractions, geometry, and problem-solving.
Used interactive teaching methods (games, activities, visual aids) to make learning easy and enjoyable.
Assessed students performance through quizzes, classwork, and exams, and maintained accurate records.
Identified students learning needs and provided extra support to struggling learners.
Encouraged critical thinking and logical reasoning skills among students.
Prepared worksheets, lesson plans, and instructional materials according to grade level.
Managed classroom behavior effectively to create a positive learning environment.

Riphah International University – Islamabad

Visiting Lecturer

[02/2025 – 05/2025]

Designed and delivered lectures, tutorials, and workshops in core and advanced areas of mathematics.
Prepared course materials, assignments, and assessments tailored to diverse student learning needs.
Provided academic guidance and mentorship to undergraduate/graduate students.
Engaged in curriculum development and contributed to maintaining high teaching standards.
Applied innovative teaching strategies and technology to enhance student understanding and performance.
Collaborated with faculty members on departmental activities and academic events.

Bioflex Aesthetics – Islamabad

Accountant

[06/2024 – 08/2024]

Assisted in recording daily financial transactions and maintaining accurate ledgers.
Supported preparation of invoices, receipts, and expense reports.
Helped reconcile bank statements and assisted with month-end closing activities.
Maintained organized filing of financial documents for audit and compliance purposes.
Gained practical knowledge of basic accounting principles and office financial procedures.

Riphah International University – Islamabad

Admissions Office Intern

[03/2023 – 03/2024]

Assisted in processing and reviewing student applications, ensuring accuracy and compliance with university guidelines.

Supported admissions staff in managing applicant databases and maintaining confidential student records.

Responded to inquiries from prospective students and families, providing clear information about admission requirements, deadlines, and procedures.

Helped organize campus tours, open days, and orientation events to enhance the applicant experience.

Collaborated with team members to streamline administrative tasks and improve office efficiency.

Gained exposure to admissions policies, selection criteria, and higher education administration processes.

EDUCATION AND TRAINING

Mphil Mathematics 3.73/4.00

Riphah International University [2023 – 2024]

City: Islamabad

BS Mathematics 3.49/4.00

University Of Sargodha [2017 – 2022]

FSc Pre Engineering 858/1100

Rawalpindi Board [2016 – 2017]

Matric 863/1100

Rawalpindi Board [2014 – 2015]

VOLUNTEERING

[02/2025] Jinnah Convention Centre Islamabad

Member of announcement committee at 19th convocation of Riphah International University Islamabad

SKILLS

Strong Analytical skills / Puzzle solver / Best communication skills / Strong potential / Calligrapher

CREATIVE WORKS

A good Calligrapher

PROJECTS

On m-polar fully fuzzy linear programming problems Conducted in-depth research on m-polar fully fuzzy linear programming problems, focusing on extending classical optimization techniques to uncertain and multi-polar environments. Developed novel mathematical models integrating fuzzy set theory and multi-polar decision-making frameworks to address real-world problems involving imprecise data. Analyzed and compared proposed models with existing approaches, demonstrating improved flexibility and applicability in decision sciences, operations research, and applied mathematics. Authored a peer-reviewed article that contributed to the advancement of fuzzy optimization methods, highlighting applications in resource allocation, scheduling, and uncertain decision environments. Strengthened expertise in mathematical modeling, problem formulation, analytical proof techniques, and computational experimentation. Showcased advanced academic writing skills by effectively communicating complex theoretical concepts to a broad research audience.