

Engr. Hafiz Syed Faraz

Applied Mathematician & Lecturer

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Career Objective

To pursue a career in academia where I can apply applied mathematics and statistical modelling to teaching and research. My objective is to contribute to high-quality instruction in mathematical analysis, probability and statistics, numerical methods, and computational mathematics, while utilizing programming tools such as Python, MATLAB, L^AT_EX, and Excel to enhance learning, research, and problem-solving. I aim to support students in developing strong analytical reasoning, computational skills, and a solid conceptual foundation in applied mathematics.

Skills

Mathematics	Applied Mathematics, Numerical Analysis, Probability & Statistics, Mathematical Modelling, Optimization
Computing	Python, MATLAB, L ^A T _E X, Microsoft Excel, Data Handling and Visualization
Teaching	Course planning, interactive lecturing, assessment design, academic mentoring
Languages	English (Working Proficiency), Urdu (Native)

Professional Experience

2025–Present	University Lecturer (Department of Mathematics) , <i>NED University of Engineering & Technology</i> , Karachi, Pakistan
	○ Teaching undergraduate and postgraduate mathematics courses.
2024–2026	Executive - Finance & Accounts , <i>GenX Solutions</i> , Karachi, Pakistan
	○ Managed accounting operations and financial reporting using Excel and QuickBooks Online.
2023–2025	Mathematics Teacher , <i>Usman Public School System</i> , Karachi, Pakistan
	○ Delivered secondary-level Mathematics instruction through structured lesson planning, regular assessments, and proactive parent engagement.
2022–2023	Mathematics Teacher , <i>Bahria College Karsaz</i> , Karachi, Pakistan
	○ Taught secondary and higher secondary Mathematics with a focus on curriculum delivery, formative evaluation, and student progress tracking.
2021–2022	Mathematics & Physics Teacher , <i>Falcon Grammar School</i> , Karachi, Pakistan
	○ Instructed Grades 8–10 in Mathematics and Physics, strictly aligned with the Karachi Board syllabus, supported by weekly assessments and student-centered pedagogy.

Professional Qualification / Certification

In progress	Google Data Analytics Professional Certificate, (Google / Coursera)
2026	Teaching Practice: Fundamentals of the 5E Model, Lahore University of Management Sciences (LUMS)
2025	Data Analyst Associate, DataCamp
2024	Google AI Essentials, (Google / Coursera)
2022	University Teaching, The University of Hong Kong

Academic Qualification

2022–2024	MS/MPhil in Applied Mathematics , 3.85 CGPA, NED University of Engineering and Technology, Karachi, Pakistan
	Thesis: "Statistical Analysis of the Impact of Social Media on Political Elections" Conducted advanced statistical analysis to examine social media's influence on voter behavior during the U.S. elections of 2016 and 2020, employing sentiment analysis and engagement metrics.

2017–2021 **Bachelor in Mechanical Engineering**, 3.55 CGPA, NED University of Engineering and Technology, Karachi, Pakistan

2015–2017 **Higher Secondary School Certificate (Pre-Engineering)**, 85% A-one, Govt. Dehli Inter Science College, Karachi, Pakistan

2013–2015 **Secondary School Certificate (Computer Science)**, 80% A-one, H.B. Malik Public School, Karachi, Pakistan

Projects and Research

2024 **Statistical Analysis of the Impact of Social Media on Political Elections:** Conducted quantitative and computational analysis using statistical modelling and programming tools to study election-related social media data.

Achievements

2024 Secured 3rd position in MS/MPhil in Applied Mathematics at NED University

2023 Merit-based laptop under Prime Minister's Youth Laptop Scheme Phase-III

2018 Scholarship awarded under Allied Engineering CAT (Undergraduate)

2018 Received PKR 25,000 cash prize from Govt. of Sindh for A-1 grade in HSC

2015 Article published in Pakistan American Cultural Center (PACC) Magazine

References

Available upon request