Waseem Abbas



Bachelor of Mathematics

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 - Alipur 💡

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I'm an enthusiastic Math student at Namal University, on my way to earning my bachelor's degree. I enjoy delving into the realm of numbers and patterns. Additionally, I have a talent for working with computers, using them to solve problems and analyze data. My combination of math and computer abilities prepares me to make valuable contributions across different academic and professional fields.

Mianwali

EDUCATION

O Bachelor of Mathematics

Multi Variant Calculus

Namal University Mianwali

10/2020 - Present

- Courses

ODEs and PDEs

- Probability and
 Complex Variable
 - Statistics(I-II) Topology – Real Analysis (I-II)
- Topology
 Real Analysis (I-II)
 Application of Non-linear
 Functional Analysis
- Waves
 - Machine Learning
- Linear Algebra(I-II)

WORK EXPERIENCE

Mathematics Teacher (Volunteer)

Education Wing (NSSI)

10/2021 - 10/2022

I devoted myself as a Mathematics Teacher at Education Wing (NSSI), inspiring students to embrace the power of numbers.

Student Social Media Coordinator (Volunteer) Namal Environmental Society

10/2020 - 10/2021

Devoted myself as a Student Social Media Coordinator at Namal Environmental Society, amplifying eco-consciousness through engaging online platforms.

Student Head of Outreach (Volunteer)

Namal Media Club

10/2021 - 08/2022

Dedicatedly led outreach at Namal Media Club, enhancing community engagement through impactful media initiatives.

Administrative Office Assistant E- Vision Manufacturing Limited Lahore

08/2021 - 10/2021

Helped in managing administrative duties at E-Vision Manufacturing Limited Lahore as an Office Assistant, while also acquiring valuable skills and knowledge.

ORGANIZATIONS

Namal Media Club Head of Outreach

Namal Environmental Society Social Media Coordinator

E- Vision Manufacturing Limited Lahore

Administrative Office Assistant

SKILLS

Latex	Maple	MS Office	Time Manag	gement
Teamwor	k Pro	blem Solving	Research	TDA

UNDERGRADUATE PROJECTS

Final Year Project (10/2023 - Present)

- Utilized Topological Data Analysis (TDA) to extract features from the MNIST handwritten digit dataset.
- Developed a machine learning pipeline for efficient classification of handwritten digits.

Application of Non-Linear Waves (09/2022 - 03/2023)

 Explored lump and lump-soliton solutions in the Hirota-Satsuma-Ito equation via the Hirota bilinear method, elucidating nonlinear wave dynamics.

Introduction to Linear programming and Optimization (09/2022 - 03/2023)

 Optimized production profitability for a multi-product company using linear programming, considering resource constraints and employing the simplex method for optimal production planning.

CERTIFICATES

Earned a Merit Scholarship during my BS program (10/2020 - Present)

Mathematics Teaching Certificate (09/2022 - 03/2023)

Campus to Corporate Training Certified. (04/2023 - 04/2023)

ACHIEVEMENTS

[100% undergraduate studies merit scholarship] Academic Achievement Award (10/2020 - Present) Namal University Mianwali

Awarded by the CM Punjab Laptop (09/2017 - Present) A Symbol of Academic Excellence and Innovation.

LANGUAGES

Limited Working Proficiency

Chinese

English Professional Working Proficiency Urdu Full Professional Proficiency

Saraiki Full Professional Proficiency

AREA OF INTERESTS

Application of Non-linear Waves

Topology

TDA