



Shahid Hussain

Mathematician

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Mianwali, Pakistan

Mathematics graduate with a passion for applied mathematics, seeking to advance expertise through higher studies. Proficient in mathematical modeling, analysis, and problem-solving. Strong foundation in theoretical concepts coupled with practical application in real-world scenarios. Eager to contribute to cutting-edge research and innovation in applied mathematics.

EDUCATION

Bachelor of Science in Mathematics Namal University

10/2020 - Present

Mianwali, Pakistan

Courses

- Multi variant Calculus
- Topology
- Complex Variable
- Real Analysis (I-II)
- Application of Non-linear Waves
- Linear Algebra(I-II)
- Complex Variable
- Machine learning
- ODEs and PDEs
- Probability and Statistics (I-II)

WORK EXPERIENCE

Mathematics Teacher Education Wing (NSSI)

10/2021 - 03/2022

Achievements/Tasks

- Fostered a positive and inclusive classroom environment that encouraged critical thinking and collaborative problem-solving among students.
- Utilized innovative teaching methodologies and technology to enhance student learning outcomes and promote mathematical literacy.

Campus To Corporate Trainee Namal Placement Center

04/2023

Achievements/Tasks

- Participated in intensive training sessions focused on transitioning from campus life to corporate environments.
- Acquired valuable skills in professional etiquette, effective communication, and workplace adaptation.

ORGANIZATIONS

Namal Idea Club (10/2020 - 10/2021)

General Member

Namal Society for Social Impact (NSSI) (10/2021 - 04/2023)

Education Wing (General Member)

SKILLS

MS Office

Latex

Maple

Team Work

Problem Solving

Time Management

Machine Learning

PROJECTS

Topological Data Analysis of MNIST dataset (10/2023 - Present)

- Conducted research and developed expertise in Topological Data Analysis (TDA) techniques.

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

- We investigated lump and lump-soliton solutions in the Hirota-Satsuma-Ito equation using the Hirota bilinear method, a powerful tool for analyzing nonlinear wave behavior.

Machine Learning (10/2023 - 02/2024)

- House Price Prediction Using Machine learning

CERTIFICATES

Punjab Educational Endowment Fund (PEEF) Scholarship (10/2020 - Present)

Campus to Corporate Training (05/2023 - 05/2023)

Three days campus to corporate training - Namal University
Mianwali

ACHIEVEMENTS

100% merit scholarship Academic Achievement Award (04/2018 - 04/2020)

Superior College Mianwali

PEEF Scholarship (10/2020 - Present)

Awarded scholarship for academic excellence

LANGUAGES

English

Professional Working
Proficiency

Urdu

Full Professional Proficiency

INTERESTS

Cricket

Hiking

Travelling