

Anam Rafique

Student

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Undergraduate mathematics student with a knack for problem-solving. Excited to apply mathematical skills to real-world challenges in Computer Vision.

EDUCATION

BS Mathematics Namal University, Mianwali

09/2020 - Present

Courses

- Differential Equations
- Machine Learning
- Introduction to Programming
- Introduction to Finance

EXPERIENCES

Intern

Namal Centre of Excellence and Skill Development

Achievements/Tasks

- During this internship, I honed my skills in paper writing, crafted logo designs, and polished my presentation abilities.

Corporate Readiness Training Program NETSOL

Achievements/Tasks

- "In this training, I gained valuable skills in communication, leadership, and teamwork. I also learned about corporate life and its dynamics, which has been incredibly insightful and enriching for my professional development."

Tuition Teacher

Al Rehan Education Complex

05/2022 - 08/2022

Achievements/Tasks

- During this, I had the opportunity to teach Mathematics and Chemistry to students, allowing me to refine my teaching techniques and enhance my communication skills.

Research Assistant

Prof. Zia ur Rehman (Namal University)

Achievements/Tasks

- Additionally, I served as a research assistant in Condensed Matter physics.

ORGANIZATIONS

Namal Sport and Adventure Society

Student Marketing Director

Namal Mathematical Society

Student Assistant Marketing Director

SKILLS AND INTERESTS

Burai Quantum Espresso

VESTA

Python

SQL

LaTeX

Machine Learning

Teamwork

Efficiency Under Pressure

Teaching

PROJECTS

Comparative Analysis of different Optimal Techniques of Sleepiness Detection

- Currently undertaking my FYP on sleepiness detection, I delve into the mathematical intricacies of Machine Learning (ML) models as a mathematics student.

Semester Project

- Predicting the House Prices
- Explored the dataset, applied different regression and classification models, and then did a combined analysis.

CERTIFICATES AND ACHIEVEMENTS

- 6-month Computer Diploma Program in Office Management

- Participation Certificate in a Campus-to-Corporate Training Program.

- Participation Certificate in "Pakistan Calculus Contest" and "Pakistan Mathematical Olympiad" at Pakistan Mathematics Competition held at Sukkur IBA University.

- Merit Scholarships

I am proud to share that I received merit scholarships throughout my college and university education. These scholarships recognized my academic achievements and motivated me to maintain high standards in my studies

PUBLICATIONS

Ab initio insight into the physical properties of MgXH_3 ($X = \text{Co}, \text{Cu}, \text{Ni}$) lead-free perovskite for hydrogen storage application

A DFT study of structural, electronic, mechanical, phonon, thermodynamic, and H_2 storage properties of lead-free perovskite hydride MgXH_3 ($X = \text{Cr}, \text{Fe}, \text{Mn}$)