



# Muhammad Hafeez Qureshi

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Mianwali, Pakistan

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A student with a strong interest in math and problem-solving. Enjoys using math to solve real-world issues and is eager to learn more and apply these skills in practical situations.

## EDUCATION

### BS MATH Namal University Mianwali

11/2021 - Present

Mianwali Pakistan

#### Courses

- Ordinary Differential Equations
- Linear Programming And Optimization
- Probability and Statistics
- Discrete Math

## WORK EXPERIENCE

### Work Study HR Department

03/2024 - 06/2024

Namal University  
Mianwali, Pakistan

#### Achievements/Tasks

- Maintained faculty and staff records in both physical and digital formats.
- Assisted the HR department throughout the semester to ensure efficient workflow.
- Coordinated with departments to support operational needs.

### Work Study Student Support Office

06/2024 - 09/2024

Namal University  
Mianwali, Pakistan

#### Achievements/Tasks

- Managed calls and responded to student queries during the admission process.
- Updated student folders, cross-checked documents, and handled board verifications.
- Verified bank statements and monitored fee payment statuses for prospective students.

## ORGANIZATIONS

Namal Mathematical Society (12/2021 - 05/2023)  
Assistant Director Outreach

## SKILLS

Critical Thinking

MS Office

Problem Solving

Basic Research Skills

Time Management

Excel

Teamwork

Basic Graphic Designing

## UNDERGRADUATE PROJECTS

### Mathematical Analysis of Different Inventory Management Models for Optimization

- Developed Python-based inventory optimization models incorporating Economic Order Quantity (EOQ), Just-In-Time (JIT), and Newsvendor models.
- Implemented data-driven techniques to minimize costs, reduce waste, and improve supply chain efficiency.
- Designed an interactive dashboard for businesses to make informed inventory decisions based on real-world data.

### Time Estimation for Polio Drive

- Developed a mathematical model to estimate time required for polio vaccination drives in Lahore, Karachi, Umerkot, and Multan.
- Analyzed vaccination data and utilized differential equations to assess the impact of population growth on vaccination completion times.
- Provided recommendations for model enhancements, including the addition of variables such as workforce size.

## PUBLICATIONS

A comprehensive ab-initio study of Cs<sub>3</sub>Sb<sub>2</sub>X<sub>9</sub> (X= Cl, Br) novel halide perovskites for solar cell applications.

## LANGUAGES

Urdu

Native or Bilingual Proficiency

Saraiki

Native or Bilingual Proficiency

English

Professional Working  
Proficiency

## INTERESTS

Cricket

Politics

Poetry

Hiking