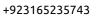# Maryam Wahab
Mathematician

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Undergraduate mathematics student with strong expertise in optimization and model design. Skilled in developing precise, data-driven solutions and efficiently solving complex problems through analytical reasoning and computational techniques.

EDUCATION

BS Mathematics
Namal University Mianwali

11/2021 - Present

Courses
- Introduction to Linear Programming and Optimization
- Introduction to Data Science
- Introduction to Programming
- Machine learning

UNDERGRADUATE PROJECTS

Music Genre Classification (FYP) (11/2024 - Present)
- Extracted key audio features using Librosa for genre classification.
- Preprocessed and structured data efficiently with NumPy and Pandas.
- Trained and optimized ML models using scikit-learn.
- Developed a reliable genre classification system with high accuracy.

THE TRANSPORTATION MODEL ALGORITHM (04/2024 - 06/2024)
- Developed a linear programming model in Python & AMPL to optimize transportation costs.
- Conducted sensitivity analysis to refine model efficiency .

WORK EXPERIENCE

Internee
ITSOLERA

07/2024 - 10/2024
ITSOLERA optimizes your business with expert IT solutions.

Achievements/Tasks
- Completed projects in sentiment analysis and audio processing.
- Designed and optimized models for accurate predictions and data insights.

Teacher
The English School

09/2024 - 11/2024   *Mianwali*
Provided educational support and resources to students

Achievements/Tasks
- Designed engaging and innovative lesson plans to improve student participation in Mathematics and computer science .

SKILLS

WordPress • Optimization • Machine Learning • Graphic designing • Python • Numpy • Pandas • Sklearn • Leadership • Teamwork • Time Management

VOLUNTEER EXPERIENCE

Vice President
Namal Enviormental Society

Librarian Assistant
Namal Library

Management and Markting Head
Namal Character Building Society

Management and Decor Head
Namal Klub for Arts and Media

Blood wing and Educational wing member
Namal Society for Social Impact

Management and Decor Head
Namal Society for Social Impact

CERTIFICATES

Career Prep Fellowship
Amal Academy

Python (Basic)
HackerRank

Workshop on Python basics and an introduction to machine learning and data science
Serve For Humanity (SFH) Foundation

Build a free website with WordPress
coursera

LANGUAGES

Urdu
Native or Bilingual Proficiency

Engslish
Native or Bilingual Proficiency