



Muhammad Asmat Ullah Khan

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Mianwali, Pakistan

A highly analytical and intellectually curious learner with a strong focus on deep conceptual understanding beyond surface-level knowledge. Skilled at connecting ideas across disciplines, asking precise questions, and solving problems with clarity, persistence, and strong attention to detail.

EDUCATION

BS Mathematics

Namal University, Mianwali
Oct 2022 - Present | 3.4 CGPA

Key Courses

- Machine Learning.
- Ring Theory.
- Topology and Functional Analysis.
- Introduction to Programming (Python).
- Linear Programming and Optimization.

Final Year Project

A Review on Data Driven Perspective on Knot Theory

Developed a data-driven project combining topology and knot theory to analyze knot invariants using features like crossing numbers and polynomial invariants. Then applied Mapper and Ball Mapper with Python for Data Analysis

PROJECTS

Real-Time Face Mask Detection

Personal Project
Feb 2025 - Mar 2025

Tasks / Achievements

- Developed a real-time face mask detection system using VGG16 transfer learning and OpenCV to classify 'Mask' and 'No Mask.'

Movie Recommendation System

Personal Project
Jan 2025 - Feb 2025

Tasks / Achievements

- Built an end-to-end recommendation system using collaborative filtering and similarity-based algorithms for personalized suggestions.

Next Word Prediction using LSTM

Personal Project
Oct 2024 - Nov 2024

Tasks / Achievements

- Developed an LSTM-based next-word prediction model trained on FAQ text data using tokenization, n gram sequence generation, and padding.

SKILLS

- Python
- HTML
- CSS
- Data Scraping
- Machine Learning
- Deep Learning
- NLP
- Tableau
- Power BI

CERTIFICATES

Python Programming Foundation

GeeksforGeeks
Mar 2023

Data Analysis with Python

Coursera
Jan 2024

Neural Networks and Deep Learning

DeepLearning.AI
Sep 2024

LANGUAGES

Saraiki

Native or Bilingual Proficiency

Urdu

Full Professional Proficiency

English

Limited Working Proficiency

INTERESTS

- Mathematics & Logical Problem-Solving
- Programming
- Books Reading
- Continuous Learning and Skill Development
- Cricket
- Physics