Name:
Muhammad Abdullah Ali
Contact Information:
Email: m.abdullah.ali.2523@gmail.com
Phone: 0311-5043041
LinkedIn: linkedin.com/in/muhammad-abdullah-ali-71a528202
Address: House 123, Street 4, Sector G-10, Islamabad, Pakistan

Career Objective / Profile:
Data Science student with hands-on experience in full-stack ETL pipeline development and machine learning. Eager to apply robust data engineering and analytical skills to solve complex problems and contribute to building impactful, data-driven solutions.

Education:
Bachelor of Science, Data Science, National University of Computer and Emerging Sciences (FAST NUCES), Expected August 2027
Relevant Courses: Database Systems, Data Structures, Advanced Statistics, Software Engineering
GPA: 3.67 / 4.00
Skills:

- Python, C++, SQL (T-SQL), & R
- ETL Pipeline Development & Optimization
- Data Warehousing, EDA, & Feature Engineering
- Machine Learning (Regression, Clustering)
- Database Design & Performance Tuning
- Git & GitHub for Version Control
- Agile Project Management Methodologies

Experience / Internships:
Data Engineer Intern, Octopus Digital (Avanceon), June 2025 – August 2025

- Assisted in engineering and optimized 7+ production ETL scripts using Python and T-SQL, reducing a key pipeline's runtime from 20 minutes to under 7 seconds.
- Strengthened security by refactoring scripts to eliminate hardcoded credentials and authored comprehensive documentation to improve system maintainability.

Lab Demonstrator – Object-Oriented Programming, FAST-NUCES, January 2025 – May 2025

- Mentored 35+ students in advanced C++ concepts, including polymorphism, inheritance, and STL, leading to improved student performance.
- Evaluated over 280 lab assignments against rubrics and proctored practical examinations for two lab sections.

Projects / Research:
Inflation Forecasting Engine, Spring 2025
Short description: Developed and benchmarked multiple models (ARIMA, Ridge, Lasso, Elastic Net) in R to forecast monthly inflation in Pakistan, identifying Elastic Net as the most performant predictor based on MSE and R^2 metrics.
Bracketeer – Tournament Management System, Spring 2025
Short description: Co-developed a C# .NET desktop application for managing competitive tournaments. Personally architected and implemented the notification system, match logic, and a predictive module using Agile practices.

Achievements / Extracurricular Activities:

- Dean's Honor List — 4x Recipient (2023 – 2025)
- Programming Competition Participant: Devathon (2024), NASCON (2025)
- Community Volunteer: WWF-Pakistan Water Conservation Initiative — 2025