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EDUCATION

Lahore University of Management Science   *Sept 2018 - May 2025*
BS Political Science and Economics
Minor Computer Science
Relevant Courses:

Machine Learning	Principles and Techniques in Data Science
Databases	Data Structures
Econometrics	Issues in Economic Policy
International Finance	

Beaconhouse School System, Multan   *May 2017*
A-Level – 3B, O-Level – 5A* 2A 1B

WORK EXPERIENCE

CSO Career Fair Volunteer 2025   *February 2025*
- Assisted in the planning and execution of a large-scale **Career Fair** featuring **220+ employers** and thousands of student attendees.
- Organized and assembled **welcome packs and souvenir kits** for employers and students, ensuring a smooth event experience.
- Provided **on-site support** to employers, assisting with **booth setup, troubleshooting, and logistical coordination**.
- Guided and supported students in navigating the Career Fair, answering questions, and ensuring an efficient flow in assigned zones.
- Worked collaboratively with the Career Services team to enhance employer and student engagement at the event.
- Developed strong **communication, problem-solving, and event coordination skills** in a fast-paced environment.

SOS Children's Village Multan - *Teacher*   *June 2016*
- Teaching reading and verbal English as well as verbal Urdu at SOS Children Complex in Multan.

ACADEMIC PROJECTS

Movie Success Prediction System   *February 2021 – April 2021*
- Able to successfully accomplish this task through working on Data Cleaning, Exploratory Data Analysis, and 2 separate implementations of Machine Learning Models using Python.
- Dataset used: kaggle.com/tmdb/tmdb-movie-metadata?select=tmdb_5000_movies.csv

Vehicle Detection and Classification from Images   *February 2022 – May 2022*
- Using different machine learning models and techniques such as PCA, Naive Bayes, Logistic Regression, SVM etc. to correctly identify vehicles from images.

Econometric Analysis of Women's Fertility rate   *October 2024 – December 2024*
- Using Panel Data, determined the effects of different variables, but primarily family planning awareness on the Birth rate. The datasets used were the Demographic and Health Survey (DHS) datasets of Pakistan for both 2012-13 and 2017-18.
- Created and ran regressions, visualizations and interpreted the results on STATA.
- Creation and use of demographic indicators from the data to derive further visualizations and insights.

Education Dynamics in Nishat Colony: A Case Study   *February 2025 – April 2025*
- Conducted mixed-methods research in Nishat Colony, Lahore, analyzing education challenges aligned with SDG 4, through household interviews, focus groups, and visits to local educational institutions.
- Identified key barriers to education including financial constraints, gender disparities, and cultural attitudes, and evaluated governance and quality issues in public and private schools.
- Proposed actionable, evidence-based policy recommendations such as targeted subsidies, community-led learning hubs, and improved monitoring systems to enhance access and quality of education.

Senior Project & Independent Study   *February 2025 – April 2025*
- Led mixed-methods research (Python, SQL, Excel) analyzing how institutional culture ("LUMS Bubble") impacts career readiness, collecting/processing survey data from 61+ students.
- Developed regression model ($R^2 \approx 0.42$) identifying isolation as predictor of career uncertainty; findings presented to faculty.
- Applied ML coursework to quantitative analysis of career trends; uncovered 66% of tech-track students prioritized corporate roles.
- Authored case study on personal career trajectory in tech, highlighting gaps between academic training and industry requirements.
- Recommendations for experiential learning adopted by Career Services Office.

CO-CURRICULAR ACTIVITIES

Football *(Fall Fest Victors)*   *February 2024*
Captained and coached a 5-a-side of my juniors in the yearly LUMS Springs Sports Fest Football competition and won it comfortably.

Swimming   *January 2023 – May 2023*
I took a course for swimming at LUMS and passed it with flying colors. Continue to practice swimming as cardio thereafter.

SKILLS & INTERESTS

Skills: Programming: C++, Python, HTML, CSS, JavaScript, SQL, STATA. Microsoft Excel (Intermediate), Statistical Modeling, Machine Learning Modelling, Data Analysis, Survey Design, Technical Reporting, Cross-functional Collaboration, Problem-Solving
Interests: Strategy games, Football, History, Theology and Philosophy, Exploring and working with Data