

Muhammad Abdullah b. Tariq

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Education:

University of Glasgow, Glasgow

September 2025 – September 2026

MSc Information Technology (Software Engineering)

Class Representative MSc IT+

Forman Christian College (A Chartered University), Lahore

December 2019 – January 2023

BS (Hons) Political Science w/ Minor Data Analytics

CGPA: 3.56

Research & Publications:

- [Technology-facilitated gender-based violence \(TFGBV\) during General Elections 2024](#)
- [Gendered Right-Wing Religious Campaigns Against Women Journalists](#)
- [Gendered Disinformation in South Asia: Case Study - Pakistan](#)
- [Disinformation, Political Ads & Accountability during the 2024 Pakistan General Elections](#)
- Global South Alliance: [Position on the Global Digital Compact and the Summit of the Future](#)
- [Digital Rights Foundation Public Comment on Oversight Board case, pg 13-16](#)
- [Public Comment on Oversight Board Cases \(Explicit AI Images of Female Public Figures\), pg 9-10](#)
- [Public comment on Oversight Board case Posts that include "From The River To The Sea", PC-29256](#)

Technical Skills:

Languages: Python, Java, SQL, R, SPSS, MatLab, VisualBasic

Python Stack: pandas, NumPy, Selenium, BeautifulSoup, **PyTorch**, requests, matplotlib; pytest (basic); **Data/ETL:** Pipeline design, data validation, cleaning, schema design, **BigQuery**; **Concepts:** OOP, data structures & algorithms, REST APIs, web automation, unit testing (basic); **Analytics:** Econometrics (Stata/SPSS), A/B testing basics, visualization (Tableau/Power BI); **Other:** Git/GitHub, **Jupyter**, PyCharm

Experience:

Research Associate – Mahbub ul Haq Research Centre (LUMS), Lahore

Feb 2025 – Aug 2025

- Engineered the Marketplace pipeline above; led data collection, survey pilots, and QA/ethics workflows.
- Ran econometric analysis revealing discriminatory patterns; published dataset supports ongoing peer review.

Research Associate – Digital Rights Foundation, Lahore

Oct 2023 – Oct 2024

- Led platform-accountability research for 2024 elections; built scraping tools & the 290-term GBV taxonomy adopted by Meta and TikTok for content moderation.
- Represented DRF in forums (DRAPAC, APRiGF) and policy dialogues with Google, Meta, TikTok; submitted comments to the Oversight Board.
- Designed/delivered AI/GenAI & digital literacy workshops for journalists/creators and university bootcamps.

Key Skills: Political data analysis, generative AI research, digital rights advocacy, global policy contributions, project management.

Data Analyst – Odessys, Lahore

Aug 2023 – Oct 2023

- Built finance audit & workload reporting for international clients, improving resource allocation and delivery times.
- Helped implement an Employee Resource Management System supporting data-driven decisions.

Data Engineer (Part-time) – Odessys, Lahore

Jan 2023 – Aug 2023

- Designed ETL pipelines and scalable data architecture; improved data integrity/security across finance & HR systems.

Research Projects:

Facebook Marketplace Data Pipeline (Python): MHRC/LUMS

- Built a 6-part pipeline scraping 1.5M+ listings and 100K+ seller profiles with robust validation, fallbacks for DOM/layout changes, and error-recovery queues. (Github repository access available upon request)
- Structured and de-duplicated data, enforced quality checks, and generated analysis-ready tables for econometric work.
- Resulting dataset underpins peer-reviewed research on discrimination signals.

Elections Policy Scraper & GBV Taxonomy (Python): DRF

- Developed cross-platform scrapers for harmful-content signals; consolidated a 290-term taxonomy for tech-facilitated GBV.
- Outputs were used by Meta and TikTok during moderation efforts in the 2024 elections cycle.

Multi-Platform Social Data Harvester (Python/R):

- Scripted collection from Facebook, X/Twitter (archive), and YouTube; processed up to 500K posts/day into CSV/BigQuery for downstream analysis and dashboards.

Data Analysis Projects:

Sentiment Analysis using R:

- Conducted sentiment analysis on a YouTube video's comment section, employing advanced data manipulation and natural language processing techniques in R. Findings revealed a prevalent positive sentiment among viewers regarding one subject, contrasting mainstream media narratives. Recommendations included the use of diverse sentiment analysis tools and consideration of social media biases. The project emphasized the significance of alternative platforms in capturing unfiltered public discourse on geopolitical issues.

Payment Recovery Analysis at Barki Group of Companies:

- Analyzed payment methods and dates of 180+ customers and their property agents, resulting in optimized payment recovery strategies.
- Implemented proactive measures, including enhanced reminders and direct agent communication, leading to improved and timely recoveries within the company's financial operations.

Data collection Software on Python:

- Created a data collection script in python to gather data from different social media platforms. (Facebook, Twitter/X, Youtube)
- The code utilizes APIs where applicable or in the case of Twitter, uses an archive to fetch real time tweets text, that contain a specific keyword or search query.
- Collected more than 500,000 unique posts per day from different platforms and created a csv file to store the collected data for further cleaning.

Leadership & Impact:

- Class Representative MSc IT+ – University of Glasgow
- Founder/Operations Lead – RhinoSource: Managed a team verifying/debunking social-media misinformation; shipped rapid fact-checking workflows.
- Speaking/Teaching: Guest lectures at FCCU on R for sentiment analysis, Panel Speaker at DRAPAC'24, Teaching Assistant – Department of Political Science
- Mentor – Rahbar Programme at The Citizens Foundation, Section Editor – Forman Political Science Society Magazine, Executive Director – International Affairs Society
- Awards: Graduated with Cum Laude (Hons); 5× Dean's List.

Certifications:

Data Analytics Professional Certificate (Google), Statistics to Analyze Data in R (Coursera: LRAHA4KSTEGW), Intermediate R (DataCamp: 27387974), Case Study: Exploratory Data Analysis in R (DataCamp: 27564136), Hands-on Fact Checking (Poynter.org), Introduction to the Tidyverse (DataCamp: 27564108)