

# ANEES AMJAD

312-292-7572 | aneesamjad@uchicago.edu | <https://www.linkedin.com/in/anees-amjad/>

## EDUCATION

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### The University of Chicago

Master of Science in Computational Analysis and Public Policy

Chicago, IL

June 2027 (Expected)

- Coursework: Machine Learning, Computational Public Policy, Data Engineering, Advance Statistical Analysis

### Lahore School of Economics

Bachelor of Science in Economics and Political Science

Lahore, Pakistan

May 2024

- Coursework: Econometrics, Mathematical Economics, Time Series Analysis, Development Economics

## PROFESSIONAL EXPERIENCE

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### Pak Alliance for Maths and Science (PAMS)

Research Associate - Machine Learning

Lahore, Pakistan

March 2025 - September 2025

- Developed machine learning models in Python (scikit-learn, TensorFlow) on 5M+ census and survey records, improving school enrollment prediction accuracy by 20% to inform education policy design
- Developed agent-based models (ABM) to simulate education policy interventions, reducing simulation error by 15% and enabling more reliable enrollment forecasts
- Performed spatial analysis using ArcGIS/QGIS and designed interactive visualizations, identifying 50+ underserved regions and supporting data-driven allocation of \$2M in education funding

### Center for Economic Research in Pakistan (CERP)

Survey Analyst

Lahore, Pakistan

November 2024 - September 2025

- Led a financial inclusion study with NYU Wagner, analyzing mobile money adoption through large-scale surveys and data analysis to inform policies impacting 1M+ migrant workers
- Conducted survey design and air quality analysis for a World Bank project leveraging Python, Stata, and QGIS; processed AQI data via APIs and mapped 10+ pollution hotspots to guide policy interventions
- Analyzed power-sector data for a UChicago, LSE, and IGC project, developing Power BI dashboards to identify bottlenecks for NEPRA (Pakistan's electricity regulator) and visualizing 50+ metrics, boosting distribution efficiency by 10%

### LAAM Technologies

Growth and Marketing Data Analyst

Lahore, Pakistan

May 2024 - November 2024

- Analyzed customer data with SQL, Python, and GA4, increasing retention by 15% and LTV by 10%; automated reporting and streamlined workflows for faster decision-making
- Built automated customer segmentation models with MoEngage and integrated APIs to create dynamic user groups, resulting in a 20% increase in user engagement through personalized marketing campaigns and behavioral triggers
- Led A/B testing and performance analysis with Looker Studio, Salesforce CRM, and Google Analytics, optimizing marketing strategies and improving ROI by 25%; streamlined campaign workflows for faster execution and more accurate tracking

### Punjab Social Protection Authority (PSPA)

Data Analyst Intern

Lahore, Pakistan

January 2024 - April 2024

- Performed maternal health data analysis using SQL for a World Bank-funded initiative, uncovering false claims and ensuring redistribution of funds to 15,000+ recipients across 12 districts
- Created an AI-driven forecasting dashboard in Power BI, cutting cash transfer delays by 35% and ensuring timely payments for 25,000+ beneficiaries through better decision-making with health and disbursement KPIs

### Center for Research in Economics and Business (CREB)

Research Assistant

Lahore, Pakistan

June 2023 - August 2023

- Analyzed vocational training impact for PSDF's E-Tayyar Project, conducting 250+ interviews and using Survey CTO and Excel to demonstrate transitions of 1,500+ individuals into high-paying jobs, reducing poverty
- Researched the impact of natural disasters on vaccination rates and non-traditional jobs on the job search efforts of young female graduates; presented findings at a conference and supported policy recommendations to boost women's employment by 20%

## SKILLS AND CERTIFICATIONS

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Programming Languages: Python, SQL, R, MATLAB

Libraries and Frameworks: pandas, NumPy, matplotlib, seaborn, scikit-learn, statsmodels, TensorFlow, PyTorch, XGBoost, Plotly

Tools and Platforms: Linux, Azure, Google Cloud Platform, Databricks, Tableau, Power BI, ArcGIS, QGIS

Spoken Languages: English, Urdu, Punjabi

Certifications and Fellowships: Atomcamp Data Science Bootcamp (2024), Learners' Republic Policy Fellowship (2024)