

Muhammad Ali

Healthcare Data Analyst | Doctor of Physical Therapy | Python · SQL · Survival Analysis

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PROFESSIONAL SUMMARY

Doctor of Physical Therapy with hands-on clinical experience and a strong background in records management, KPI tracking and reporting across healthcare, safety and HR roles. Now applying Python, SQL and survival analysis to healthcare data, combining clinical understanding with analytical skills to turn patient and operational data into clear, decision-ready insights. Working toward a career in healthcare data and real-world evidence (RWE) analytics.

CORE SKILLS

Data analysis: Python (pandas) for data cleaning and preparation; SQL (joins, aggregation, cohort building); Excel (pivot tables, lookups, trackers)

Reporting: KPI tracking, data validation, dashboards (Power BI, learning), plain-language summaries

Statistics: Survival analysis (Kaplan–Meier, hazard function, log-rank test), descriptive statistics

Healthcare: Clinical assessment, outcome measures, medical terminology, patient documentation, confidentiality

EXPERIENCE

Independent Healthcare Data Analyst | Portfolio Projects, Remote 2026 – Present

- Clean, transform and prepare healthcare datasets in Python (pandas), handling missing values, inconsistent formats and data quality issues
- Apply survival analysis (Kaplan–Meier curves, hazard rates, log-rank test) to compare patient outcomes between groups
- Write SQL queries to extract, join and aggregate data and build patient cohorts from defined inclusion criteria
- Translate statistical results into plain-language summaries and recommendations, documenting methods, assumptions and limitations

HR Coordinator | Riyadh, Saudi Arabia Apr 2026 – Present

- Maintain accurate and confidential employee records, ensuring data integrity and compliance with company policy
- Build and update Excel trackers for onboarding, contracts and leave, improving visibility for management
- Prepare HR reports and compliance documentation within deadlines

Health, Safety & Environment (HSE) Coordinator | CRCC, Saudi Arabia 3 months

- Maintained HSE records including incident logs, inspection checklists, training and PPE records, ensuring audit readiness
- Tracked and reported safety KPIs (incidents, near misses, man-hours) to site and project management
- Investigated incidents and near misses, documenting root causes and corrective and preventive actions
- Conducted site inspections and delivered safety inductions and toolbox talks

Consultant Physiotherapist | Rehab Solution, Lahore, Pakistan 1 year 2 months

- Assessed and treated patients with musculoskeletal, neurological, post-surgical and sports-related conditions
- Measured and tracked patient outcomes using standardized tools (pain scales, range of motion, strength and functional assessments)
- Documented assessments, treatment plans and progress notes, maintaining accurate and confidential patient records
- Adjusted evidence-based treatment plans based on progress, coordinated with referring doctors, and educated patients on self-management

EDUCATION

Doctor of Physical Therapy (DPT), 5-year program Gulab Devi Institute of Physiotherapy, Lahore, Pakistan
Diploma in Business Administration

COURSES & CERTIFICATIONS

- Python for Data Analysis – Data With Baraa
- SQL – Data With Baraa (expected Nov 2026)
- Certification in Neurological Rehabilitation
- Supply Chain Operations and Management Certification

LANGUAGES

English (fluent) • Urdu (native) • French (intermediate, B1)