

EXPERIENCE

EXCELERATE	UAE, Remote
<b>Data Analyst - Intern</b>	<i>Jun 2025 - Aug 2025</i>
<ul style="list-style-type: none"><li>Presented and submitted reports with data, producing summaries and flow charts to enhance presentations.</li><li>Received data-related queries and maintained log for data analysts to respond to, supporting smooth communications.</li><li>Used single or multiple systems to generate summaries and compare old and new data.</li></ul>	

LIAQUAT NATIONAL HOSPITAL	Karachi, Remote
<b>Physiotherapist (Home-Based &amp; Volunteer)</b>	<i>Jan 2024 - Dec 2024</i>
<ul style="list-style-type: none"><li>Maintained detailed treatment records and applied data tracking for recovery monitoring.</li><li>Supported patient care using insight-driven planning based on progress reports.</li><li>Collaborated with caregivers and educators for outcome-focused rehabilitation strategies.</li></ul>	

PROJECTS

STROKE PREDICTION & RISK FACTOR ANALYSIS

- Analyzed dataset of 5,110 patients to explore stroke prevalence based on medical and lifestyle variables.
- Performed Chi-Square testing to establish relationships between hypertension, heart disease, BMI, and stroke occurrence
- Presented findings with actionable insights to inform preventive healthcare strategies.

CORRUPTION PERCEPTION DATA (CPI) ANALYSIS

- Performed exploratory data analysis on global CPI scores to assess corruption trends from 2000 to 2023.
- Visualized trends using line and bar plots to highlight shifts in average CPI over time.
- Identified least and most corrupt countries for the most recent year.
- Communicated insights clearly through annotated visuals for data storytelling.

CANCER PATIENT SURVIVAL ANALYSIS

- Cleaned and analyzed clinical records of 10,000 cancer patients to uncover survival patterns and treatment outcomes.
- Performed exploratory data analysis (EDA) on variables such as age, treatment types, and disease stage to identify survival correlations.
- Visualized survival trends to support data-driven insights for improving patient care strategies.

GRADED MOTOR IMAGERY (GMI) RESEARCH STUDY

- Designed and executed a research survey studying the clinical adoption of GMI in frozen shoulder treatment.
- Cleaned and analyzed quantitative survey data to identify key adoption barriers.
- Presented results at a research forum, highlighting neuroscience-based rehabilitation methods.

STUDENT PERFORMANCE ANALYSIS

- Built an interactive dashboard to analyze student performance by academic, behavioral, socioeconomic, and environmental factors, helping educators make data-driven decisions.
- Identified key performance drivers such as study hours, tutoring sessions, sleep patterns, and motivation levels by visualizing correlations with exam scores and attendance.
- Analyzed socioeconomic impact on academic outcomes by assessing factors like family income, parental education, and access to learning resources.
- Incorporated peer and environmental analysis, including the role of internet access, school type, and peer influence, to provide a holistic view of student success.

EMPLOYEE ATTRITION ANALYSIS

- Developed an interactive dashboard for analyzing departmental data, enabling dynamic filtering by department, education, overtime status, and tenure to uncover employee attrition trends.
- Performed in-depth attrition analysis, including job satisfaction, promotion history, and commute distance, to identify key drivers of employee turnover.
- Analyzed demographic factors (age, gender, marital status, education) to assess their correlation with employee retention across various job roles and departments.

REAL STATE BUSINESS ANALYSIS

- Conducted end-to-end analysis of the U.S. real estate market, covering average property prices, sold vs. available listings, and market trends over time using real-world data.
- Performed location intelligence analysis, integrating geographic data to uncover regional trends and variations in property values across U.S. states.
- Created dashboards and visual summaries to support real estate investment insights, including historical trends, property feature impact, and status comparisons (sold vs. for sale).

TECHNICAL SKILLS

Technical Skills:

- Power BI
  - Python (Pandas, Matplotlib, Seaborn)
  - SQL
  - Data Cleaning & Transformation
  - Exploratory Data Analysis (EDA)
  - Statistical Testing (Chi-Square, T-test)
- Cross-Tab Reporting
  - Data Storytelling
  - Healthcare Data Analysis
  - Research Presentation
  - SPSS

CERTIFICATIONS

- Data Analytics Certificate - Institute of Emerging Careers
- Data Visualization with Power BI – Workforce Institute
- Data Analysis Certificate – Workforce Institute
- Data Analysis Certificate – Udemy
- Certified in Research – Liaquat National Hospital

EDUCATION

LIAQUAT NATIONAL MEDICAL COLLEGE	Bachelors - DPT
Doctor Of Physical Therapy. GPA: 3.5	<i>Dec 2019 - Dec 2023</i>
Thesis Graded Motor Imagery (GMI) Research Study	

INTERESTS

- Healthcare Innovation & AI in Medicine
- Data-Driven Public Health
- Educational Volunteering
- Clinical & Neuroscience Research
- Emerging Technologies