MARIAM AHMED

Healthcare Data Analyst | Santa Clara, CA | mariam.ebahmed@gmail.com | LinkedIn

PROFESSIONAL SUMMARY

Pharmacist transitioning into healthcare data analytics, combining patient-care and health-insurance claims experience with a completed UC Berkeley Extension Professional Program in Data Analysis. Applied Excel, SQL, Python, and data visualization in academic projects involving data cleaning, validation, transformation, trend analysis, and reporting. Experienced in checking clinical and claims information for accuracy, investigating discrepancies, maintaining confidential records, and collaborating with patients, insurers, and healthcare teams to resolve issues.

TECHNICAL SKILLS

Excel and data quality: PivotTables, VLOOKUP, charts; data cleaning, validation, transformation, missing-data handling, descriptive and trend analysis

SQL and databases: Oracle SQL Developer; JOINs, GROUP BY, aggregations, filtering, subqueries, relational data querying

Programming and visualization: Python (Pandas, NumPy), Matplotlib, Tableau, Power BI (currently learning)

Healthcare and reporting: Healthcare claims review, clinical documentation, privacy and confidentiality, CMS and WHO datasets, cross-functional communication; documentation of analytical methods and limitations

SELECTED ANALYTICS PROJECTS

U.S. Hospital Readmissions Analysis | UC Berkeley Final Project | 2026

Tools: Python, Pandas, D3.js, Matplotlib | CMS healthcare data

- Cleaned, standardized, and validated 18,330 hospital-condition records, addressing missing and suppressed values to prepare 11,720 reportable records from 2,833 hospitals.
- Aggregated and ranked hospital performance measures across states and conditions, including discharge-weighted analysis, to identify readmission trends and performance differences.
- Developed an interactive D3.js dashboard with filters, rankings, summary metrics, and tooltips to communicate healthcare performance findings.

Oracle SQL Reporting and Data Analysis | UC Berkeley Coursework | 2025–2026

Tools: Oracle SQL Developer, SQL

- Queried structured relational datasets using JOINs, GROUP BY, aggregate functions, filters, and subqueries to answer reporting and operational questions.
- Checked query outputs and summarized results into repeatable, interpretable reports for decision support.

COVID-19 Vaccination and Outcome Trends | UC Berkeley Final Project | 2025–2026

Tools: Python, Pandas, Matplotlib | WHO public-health data

- Cleaned, combined, and aggregated vaccination, case, and mortality data across countries and reporting periods to examine public-health trends.
- Created visualizations and documented data limitations and analytical assumptions to communicate patterns without unsupported causal claims.

PROFESSIONAL EXPERIENCE

Pharmacist | Shoppers Drug Mart & Rexall Pharmacy | Ontario, Canada | Oct 2021–Dec 2023

- Verified patient, prescription, and insurance information for accuracy, completeness, and eligibility; identified and investigated discrepancies within regulated workflows.
- Reviewed clinical and medication information from multiple sources to identify therapy gaps, adherence concerns, and safety risks, translating findings into recommendations.
- Maintained accurate clinical records and documented interventions in accordance with professional, privacy, and regulatory requirements.
- Collaborated with physicians, insurers, pharmacy teams, and patients to clarify information, resolve issues, and support informed care decisions.
- Tracked immunization activity and observed medication-utilization and workflow patterns to support pharmacy operations.

Pharmacy Assistant / Pharmacy Student | Ontario, Canada | 2016–2020

- Maintained patient, prescription, medication, and inventory records; checked information for completeness and accuracy in regulated pharmacy workflows.

Claims Processor | Bupa Health Insurance | Egypt | 2015

- Reviewed healthcare claims, eligibility information, and supporting documents for completeness and accuracy; identified discrepancies and supported their resolution before benefit decisions.

EDUCATION AND TRAINING

UC Berkeley Extension | Professional Program in Data Analysis | Completed 2026

German University in Cairo | Bachelor of Science in Pharmacy and Biotechnology | 2015

DataCamp | Associate Data Analyst in SQL Career Track | In progress

CAREER BREAKS

Parenting and Family Caregiving | 2020–2021 and 2024–2026