

Salomi Airy *Aspiring Data Analyst*

airysalomi@gmail.com | 9861380670 | <https://salomiairy11.github.io/personal-portfolio/#/>

SKILLS

- Python (Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn)
- Knowledge of U.S. healthcare processes (ACA, Medicaid, insurance coverage, policy implementation)
- SQL (MySQL, SQL Server, PostgreSQL)
- Microsoft Power BI (DAX, data modeling, interactive visualizations)

PROJECTS

US Health Insurance Coverage Analysis -> Tools: Python, Pandas, Matplotlib, (Personal Project)

Analyzed U.S. health insurance coverage trends (2010-2016) using ACA, Medicaid, Medicare, and marketplace data; evaluated state-level enrollment, uninsured rates, and tax credit impacts, highlighting and documenting changes such as a 277% reduction in uninsured rates and a 19.6M increase in coverage.

LoanDash -> Tools: Power BI, SQL Server, (Personal Project)

Developed an interactive Power BI dashboard with SQL-prepared data and advanced DAX measures to track 100K+ loan applications, funded amounts, repayments, and portfolio risk metrics across multiple dimensions (state, loan purpose, grade), enabling detailed performance and trend analysis.

VendorLite -> Tools: Python, SQL Server, Power BI, (Personal Project)

Engineered an end-to-end vendor analytics pipeline in SQL Server and Python to clean and merge 100K+ records, compute KPIs (gross profit, margin, turnover, sales-purchase ratio, unsold inventory), perform statistical analysis to identify pricing, logistics, and inventory inefficiencies, and visualize insights in a Power BI dashboard.

Sentiview -> Tools: Python, Streamlit, Scikit-learn, (Personal Project)

Developed a Customer Feedback Analysis Dashboard in Streamlit that processes uploaded CSV reviews, performs TF-IDF + Logistic Regression sentiment classification, extracts key themes via K-Means, and visualizes insights with interactive charts, word clouds, and tables

PROFESSIONAL EXPERIENCE

LQ Digital, AI Intern

06/2025 – 08/2025

- Scraped and structured dynamic website content using BeautifulSoup and Python, storing data in PostgreSQL to build a high-quality knowledge base for a LangGraph-powered conversational agent.
- Processed interaction logs with Pandas&NumPy, applied statistical and clustering methods to detect query patterns, and visualized metrics with Matplotlib/Seaborn, enabling fine-tuning that improved response accuracy by 15%.

CERTIFICATES

- Data Science & Machine Learning Using Python — Evolve IT Hub Nepal

EDUCATION

Kathford International College of Engineering and Management | Tribhuvan University,

Bachelor of Science in Computer Science & Information Technology