

# **Salomi Airy** Aspiring Data Analyst

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## **SKILLS**

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- 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**

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### **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**

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### **LQ Digital, AI Intern**

06/2025 – 08/2025

- Scrapped 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**

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

## **EDUCATION**

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**Kathmandu International College of Engineering and Management | Tribhuvan University,**  
*Bachelor of Science in Computer Science & Information Technology*