AMENA AKBARY

EDUCATION

STEVENS INSTITUTE OF TECHNOLOGY| *Bachelor of Science in Computer Science*
Relevant Coursework: Data Mining, Deep Learning, Database Management, Computer Vision, Object Oriented Analysis, Concurrent Programming

SKILLS

Programming: Python (Pandas, NumPy, Matplotlib, Seaborn), SQL, R, Excel (Pivot Tables, VLOOKUP, Data Analysis)
Data Analytics: Data Cleaning, Data Visualization, Exploratory Data Analysis (EDA), Statistical Analysis, Dashboards & Reporting, KPIs
Other Tools: Jupyter Notebook, R Studio, Microsoft Office Admin, LucidChart, Veeva, Slack, SSCM

WORK EXPERIENCE

SARA JEWELRY | *Business Tech & Analyst Specialist* · Iselin, NJ January 2025 - Present

- Analyzed customer engagement and sales workflow data, generating reports and KPIs that contributed to a ~35% increase in customer engagement.
- Designed and maintained Excel-based reporting dashboards with pivot tables for digital record-keeping, reducing manual errors by ~40%.
- Supported business development by managing data-driven communication systems, social media metrics, and digital contracts to inform strategy.

INSMED | *Information Technology Intern* · Bridgewater, NJ May 2023 – August 2023

- Automated reporting workflows using Python and Excel, improving cross-team access to data insights and reducing reporting delays.
- Streamlined HR onboarding process by analyzing and restructuring data pipelines in Active Directory and Microsoft Admin, reducing delays by ~30%.
- Created executive-ready documentation and PowerPoint visualizations to communicate IT and data findings to leadership.
- Managed IT asset data in Excel with pivot tables and reporting features, ensuring accuracy and compliance in a regulated environment.

CODING PROJECTS

- **Heart Disease Data Analysis (Python)**: Performed exploratory data analysis (EDA) on heart disease patient data, cleaning and preprocessing records for accurate modeling. Built logistic regression and gradient descent–based models to predict patient outcomes, evaluating results with ROC curves and accuracy metrics
- **Biomedical Data Classification (Python):** Processed biomedical patient datasets, applying data cleaning and feature encoding to prepare data for analysis. Developed classification models and evaluated predictive performance, identifying factors influencing health outcomes.