

SHIREEN BANO ANEES AHMED

+1 (509) 5921870 | shireenbanu89@gmail.com | [linkedin.com/in/shireen-bano](https://www.linkedin.com/in/shireen-bano) | shireenbanu.github.io/MyPortfolio/

PROJECTS

Healthcare Analytics Dashboard (Tableau) | [Tableau Dashboard](#) | [Data Visualization](#)

- Designed an interactive Tableau dashboard to analyze 20,407+ patient encounters, visualizing payer distribution, patient demographics, and operational KPIs (e.g., inpatient ALOS, ER median time).

Social Media Engagement Analytics | [View Project](#) | [Data Cleansing](#)

- Derived insights on Engagement trends over time and Top performing contents, improving content strategy. Processed 10,000+ social media engagement records using Excel (VLOOKUP, PivotTables) and built a dynamic dashboard to track KPIs (engagement rate, impressions, virality drivers).

Coffee Sales Analysis Using ANOVA Test | [View Project](#) | [Excel Dashboard](#)

- The goal of this analysis is to examine coffee sales trends over four years, identify seasonal patterns such as sales dips or spikes, using excel and evaluate whether these variations are statistically significant using python.

Cafe Sales Data Cleanup | [Kaggle Notebook \(71 view\)](#)

- Cleaned and processed cafe sales data by handling missing values, standardizing formats, and removing duplicates to ensure data accuracy. Conducted outlier detection and data normalization to enhance analysis.

EDUCATION

M.S (Computer Science), Washington State University, Pullman

CGPA - 3.8 (Pursuing)

Major subjects credited: Machine learning, Data Science, Computer Vision, Statistical methods for Graduate Researchers, Statistical Methods for Engineers and Scientists

B.E (Computer Science and Engineering), Don Bosco Institute of Technology

CGPA - 3.33

Major subjects credited: Database Systems, Database Architecture, Data Structures and Algorithms, Operating Systems

EXPERIENCE

Software Developer in Koskii

Sept 2021 - Aug 2024 (3 years)

- Engineered an ETL pipeline using Ruby on Rails and Google Ads API to automate ingestion of 50K+ daily marketing records into PostgreSQL, reducing manual reports creation by 70% and enabling real-time dashboards in Redash (like Tableau/Power BI).
- Automated data validation workflows in Excel (VLOOKUP, Power Query) to reconcile discrepancies between Shopify and OMS systems, improving data accuracy by 27% for 10K+ monthly orders.
- Redesigned inventory reordering algorithms to address stock-out issues by incorporating precise sales peak analysis, resulting in a 3% increase in e-commerce sales.
- Deployed a cloud-based staging environment in AWS (EC2, RDS, Load Balancers) to mirror production systems, enhancing testing accuracy by 35% and managing SSL certificates and load balancers, improving testing accuracy
- Collaborated with CTO to design an ERP migration roadmap, mitigating 15+ operational risks and reducing projected revenue loss by 9% through phased deployment and stakeholder training.
- Delivered 50+ ad-hoc SQL reports and Redash dashboards for cross-functional teams, resolving 12 system bottlenecks and improving order fulfillment rate by 25%.

Software Developer Intern in Koskii

March 2021 - Sept 2021

- Designed and deployed an interactive Redash dashboard (powered by PostgreSQL) to visualize marketing KPIs (ROAS, CAC, conversion rates), eliminating 2+ hours of weekly manual reporting and enabling data-driven decision-making for cross-functional teams.
- Reduced SQL query runtime by 7.8% through index tuning and analysis of query execution plans, improving dashboard responsiveness and scalability for 10K+ monthly records.

TECHNICAL SKILLS

Programming & Visualization: Python, Agile, PostgreSQL, MySQL, Git, Docker, AWS, Ruby on Rails

Data Analytics Tools: NumPy, Scikit-learn, Matplotlib, ETL Transformation, Excel, Tableau, AWS, SSL, Trouble shooting

Soft Skill: Strong written and verbal communication, Organizational skills, Attention to detail, planning, execution, and monitoring of project, Cross functional collaboration.