

ANIKET AMAN

Data Analyst | Applied Statistics & Machine Learning

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Summary

Data Analyst with strong hands-on experience in applied statistics, SQL, Python, and Power BI, delivering end-to-end analytics across finance, healthcare, and public datasets. Skilled in data cleaning, exploratory data analysis (EDA), statistical inference, and dashboarding, with experience in machine learning model evaluation and predictive analysis. Proven ability to translate complex datasets into actionable insights for both technical and non-technical stakeholders.

Skills

Technical Skills

Languages: Python, SQL, C++

Libraries: Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn

Databases: SQL Server, Azure SQL Database

BI & Visualization: Power BI

Tools: Jupyter Notebook, GitHub, VS Code

Data & Analytical Skills

Data Analysis: Data Cleaning, Exploratory Data Analysis (EDA), Feature Engineering | Statistics: Statistical Analysis & Inference, Sampling Techniques | Analytics: Predictive Analysis, Classification Metrics, Time-Based & Trend Analysis

Projects

SpaceX Falcon 9 Landing Success Prediction — End-to-End Data Science Project

[GitHub](#)

- Executed visual and statistical EDA to analyze relationships between launch site, orbit type, payload mass, and landing outcomes.
- Built geospatial visualizations using Folium to examine spatial clustering and proximity to critical infrastructure.
- Handled class imbalance by prioritizing Recall and F1-score over accuracy during model evaluation.
- Communicated insights through interpretable visualizations tailored for non-technical stakeholders.

Loan Default and Risk Analytics — End-to-End Power BI Project

[GitHub](#)

- Built an enterprise-style Power BI analytics solution on 250,000+ loan records.
- Integrated SQL Server data using Power BI Dataflows and On-Premises Gateway for scheduled refresh.
- Developed advanced DAX measures to compute default rates, YOY/YTD trends, and financial risk metrics.
- Designed interactive dashboards with drill-downs, synchronized slicers, and decomposition trees.

Healthcare Readmissions Analytics — SQL Server & Power BI Project

[GitHub](#)

- Generated and analyzed 20+ million simulated clinical records using SQL.
- Performed column-level data profiling to detect anomalies and validate distributions at scale.
- Created business-ready SQL views to support governed analytics in Power BI.
- Designed and published interactive dashboards for stakeholder-level analysis.

NHANES Statistical Inference — Applied Statistics & Data Analysis

[GitHub](#)

- Completed EDA on NHANES (2015–2016) data covering blood pressure, body weight, age, and gender.
- Constructed sampling distributions to study sample means, mean differences, and correlations.
- Empirically validated the Central Limit Theorem using repeated random sampling.
- Applied confidence intervals and hypothesis testing for population-level inference.

Certifications

- Data Analysis with Python – Data cleaning, EDA, statistical analysis, pandas workflows. ([IBM](#))
- Data Visualization with Python – Analytical storytelling using Matplotlib and Seaborn. ([IBM](#))
- Databases and SQL for Data Science with Python – SQL querying, joins, aggregations, and data extraction. ([IBM](#))

Education

- Bachelor of Technology (B.Tech) – Computer Science and Engineering**
- Bhilai Institute of Technology, Durg

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