ISHFAQ AHMAD DAR

Data Analyst

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PROFESSIONAL SUMMARY

Data Analyst with MSc in Information Technology and proven expertise in Python, SQL, Excel, and Power BI. Experienced in data cleaning, exploratory data analysis, statistical analysis, and data visualization. Successfully analyzed 400,000+ transaction datasets to identify customer churn patterns and revenue optimization opportunities. Skilled in creating actionable dashboards and delivering data-driven insights to support business decision-making. Seeking Data Analyst position to leverage analytical skills and technical expertise.

CORE COMPETENCIES

Data Analysis | Data Visualization | SQL | Python | Excel | Power BI | Tableau | Statistical Analysis | Data Cleaning | ETL | Exploratory Data Analysis | Data Modeling | Business Intelligence | Database Management | PostgreSQL | Pandas | NumPy | Matplotlib | Machine Learning | Predictive Analytics | Dashboard Development | Reporting | Data Mining | RFM Analysis | Hypothesis Testing | KPI Tracking

TECHNICAL SKILLS

Programming & Query Languages: Python, SQL

Data Visualization Tools: Power BI, Tableau, Microsoft Excel, Matplotlib

Database Management: PostgreSQL, Database Design, Query Optimization

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

Analytics Tools: Jupyter Notebook, VS Code, GitHub

Statistical Methods: Hypothesis Testing, A/B Testing, Descriptive Statistics, T-tests

Data Analysis: Data Cleaning, ETL Processes, Exploratory Data Analysis (EDA), Data Modeling, RFM Analysis

Business Intelligence: Dashboard Creation, KPI Development, Reporting, Data Storytelling

PROFESSIONAL EXPERIENCE

Data Analytics Intern

360DigiTMG | June 2024 - August 2024

- Conducted comprehensive data analysis on medical inventory datasets using Python and SQL to optimize stock levels and reduce waste
- Performed data cleaning and preprocessing on large healthcare datasets, improving data quality by 30%
- Created interactive dashboards in Excel to visualize inventory trends and support procurement decisions
- Collaborated with cross-functional teams to identify key performance indicators and deliver actionable insights
- Documented analytical processes and findings in detailed reports for stakeholders

Data Labelling Specialist (Job Simulation)

Forage | May 2024 - June 2024

- Performed intent classification and sentiment analysis on customer interaction datasets
- Identified and labeled personally identifiable information (PII) to ensure data privacy compliance
- Applied data annotation best practices to support machine learning model training
- Maintained 95%+ accuracy in data labeling tasks across multiple projects

EDUCATION

Master of Science (MSc) in Information Technology

Islamic University of Science and Technology, Awantipora, Kashmir | 2023 - 2025

Relevant Coursework: Data Analytics, Big Data Analytics, Database Management Systems, Statistical Methods, Quantitative Techniques, Python Programming, Machine Learning, Computer Networks

PROFESSIONAL PROJECTS

Customer Revenue & Retention Analysis

- Analyzed 400,000+ retail transactions using Python (Pandas, NumPy) and SQL to identify customer churn drivers and revenue opportunities
- Implemented RFM (Recency, Frequency, Monetary) segmentation model to categorize customers into actionable groups including Champions, At-Risk, and Lost customers
- Conducted statistical hypothesis testing (T-tests) to validate churn patterns with 95% confidence level
- Designed and deployed Power BI dashboard to visualize customer metrics, churn trends, and revenue forecasts
- Delivered insights that identified 25% of high-value customers at risk of churning

Healthcare Sales & Bounce Rate Analysis

- Built end-to-end data pipeline to analyze pharmacy sales and product returns across multiple departments
- Cleaned and transformed complex healthcare data using SQL, creating unified data model for sales analytics
- Developed Power BI dashboard to track top-selling medications, return rates, and departmental performance
- Identified high-loss departments and provided data-driven recommendations for inventory optimization
- Automated monthly reporting process, reducing manual reporting time by 60%

Text-to-SQL AI Agent

- Developed natural language processing application using Python to convert business questions into SQL queries
- Implemented automated error detection and correction system to improve query accuracy
- Enabled non-technical stakeholders to access database insights without SQL knowledge
- Reduced average data retrieval time by 40% for business users

Bachelor of Science (Non-Medical)

Cluster University of Srinagar (Sri Pratap College) | 2020 - 2023

Relevant Coursework: C Programming, C++, Java, Database Management Systems

CERTIFICATIONS

Data Analytics Certification - TuteDude (2024)

Skills: Python for Data Analysis, SQL, Excel, Data Visualization

AI-Powered Excel Dashboards - WsCube Tech (2024)

Skills: Advanced Excel, Dashboard Design, Business Intelligence

ADDITIONAL INFORMATION

- Strong analytical and problem-solving skills with attention to detail
- Experience working with large-scale datasets (400,000+ records)
- Proven ability to translate complex data into actionable business insights
- Quick learner with ability to adapt to new tools and technologies
- Strong communication skills for presenting findings to technical and non-technical stakeholders