

Aayush Trivedi

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Summary

Experienced Data Analyst with over three years of proficiency in statistical analysis, data modeling, data visualization, and financial analysis. Proven ability to enhance data accuracy, efficiency, and integrity through innovative solutions, utilizing SQL, Python, Tableau, and Excel. Notable achievements include a 25% increase in forecast accuracy and a 40% improvement in data comprehension through advanced techniques. Focused on leveraging expertise to support business decision-making, optimize strategies with data-driven insights, and demonstrate strong verbal and written communication skills.

Work Experience

PSI Technology

Intern Data Analyst

July 24- Present

- Statistical Analysis and Data Modeling: Applied **statistical methods**, including regression analysis, hypothesis testing, and ANOVA, to uncover **patterns** and **trends** within the data. Developed and validated **predictive models** using **machine learning algorithms**, boosting forecast accuracy by 25%.
- Data Cleaning and Preprocessing: Executed **data wrangling** tasks such as handling **missing values**, **outlier detection**, and **normalization**, resulting in a 30% increase in data accuracy. Implemented **data validation rules** and **automated error detection processes**, reducing errors by 20% and ensuring **data integrity**.
- Report and Dashboard Generation: Designed and built **interactive Tableau dashboards** with advanced features like **calculated fields**, **parameters**, and custom SQL, enhancing data comprehension by 40%. Optimized SQL queries for ETL processes, reducing processing time by 25%. Created automated **Excel reports** using **pivot tables**, improving reporting efficiency by 30%.

CodersData

Data Analyst

Sep' 23 - July 24

As a Data Analyst at CodersData, utilized a comprehensive set of tools to conduct **statistical analysis**, **data mining**, and **data modeling**, ensuring meaningful insights are extracted from the data.

Statistical Analysis and Data Modeling:

- Statistical Analysis and Data Modeling: Administered in-depth statistical analyses to uncover patterns and trends within the datasets, resulting in **actionable insights** for **decision-making** processes. Implemented data modeling techniques to enhance understanding and support decision-making processes, improving **accuracy** by 25%.
- Data Cleaning and Preprocessing: Managed end-to-end data **cleaning** and preprocessing, addressing **missing values and outliers**, resulting in a 30% increase in data accuracy. Implemented robust procedures to ensure data integrity and **accuracy**, reducing errors by 20%.
- Report and Dashboard Generation: Leveraged **Tableau** to create interactive visualizations that facilitate a deeper understanding of complex datasets, improving data comprehension by 40%. Employed SQL for precise data querying and manipulation, enhancing the **analytical capabilities** of the project and resulting in a 25% reduction in processing time. Analyzed Excel for in-depth data analysis and generating clear, concise reports and dashboards, streamlining reporting processes and increasing efficiency by 30%.

Krishna LLC

Junior Data Analyst

May 2019 - Mar 2021

- Analyzed data and statistical methods to support **pricing strategies**, enhancing profitability for Krishna LLC product portfolio
- Leveraged statistical analysis techniques in Excel to identify pricing trends, **customer behavior**, and **competitor pricing**, providing insights for Krishna LLC pricing strategy
- Increased data accuracy by 10%-15% through data cleaning and improvement processes. This ensured a more solid foundation for data-driven pricing decisions at Krishna LLC.
- Developed data models in Excel to improve decision-making by 10%-15%, incorporating customer segmentation to model the impact of pricing strategies on products and customer segments
- Created reports and presentations using **Tableau** and **Excel** to communicate **pricing recommendations** to Krishna LLC leadership team, improving understanding of datasets by 20%-25%

Technical Skills:

- Data Analysis & Visualization: Statistical Analysis, Data Mining, Forecasting, Financial Analysis, Data Visualization
- Data Cleaning: Handling Missing Values, Outlier Detection
- Programming Languages: Python, R, C, C++, HTML, CSS
- Libraries: Pandas, NumPy, Seaborn, Matplotlib
- Statistical Methods: Regression Analysis, Hypothesis Testing, ANOVA

Tools & Platforms:

- Reporting & Dashboard Tools: Tableau, Google Looker Studio, Microsoft Excel, Google Sheets
- Database Management: SQL, BigQuery
- Data Analysis Platforms: Jupyter Notebooks, R Studio
- Containers: Docker

Additional Skills:

- Project Management: Project & Change Management
- Software Validation: Software Risk Management
- Communication Skills: Verbal and Written Communication
- Web Development: Responsive Web Design

Education

Pace University

May 2023

M.S.in Software Engineering and Development | Requirements Engineering, Project Management, Component Architectures

Shah and Anchor Kuttchi Engineering College

May 2021

B.E.in Information Technology | Database Management Systems, Python Programing, Data Mining & Business Intelligence

Sardar Vallabhai Patel Engineering College

May 2018

Diploma in Computer Technology | Data Structures & Algorithm with Java, RDBMS, HTML programing