

ANNMAY MANOJ KADVE

DATA ANALYST

Email: amkadve1@gmail.com | Contact: 980-382-2000 | Github: https://github.com/akadve/Data_Analyst_Portfolio

SUMMARY

Highly skilled and detail-oriented Data Analyst with 5+ years of experience in leveraging advanced analytics tools and techniques to drive business insights and decision-making. Proficient in utilizing SQL, Python, R, Power BI, and Excel for data extraction, transformation, analysis, and visualization. Adept at developing predictive models and machine learning algorithms to solve complex business problems. Committed to delivering actionable insights that enhance operational efficiency and profitability.

EXPERIENCE

SkipCourse LLC- Mesa, AZ January 2022 – Present
Senior Data Analyst

- Constructed sophisticated SQL queries** using Microsoft SQL Server to extract and manipulate large datasets from diverse educational sources, enhancing data retrieval speed by 30%, ensuring timely project evaluations.
- Developed comprehensive ETL processes** leveraging Python's Pandas library and SQL Server Integration Services (SSIS) to automate data cleaning and transformation workflows, reducing manual intervention by 40% and maintaining data integrity.
- Engineered a robust data warehouse** utilizing Snowflake Cloud, integrating multiple data streams from various educational institutions and optimizing storage efficiency by 25%, enabling faster query execution times for real-time project assessments.
- Designed and implemented advanced data visualizations** in Power BI, incorporating DAX expressions to create interactive dashboards, which improved executive-level decision-making by providing real-time insights into project evaluation metrics and student performance trends.
- Applied statistical methods** using R's stats package to conduct hypothesis testing and regression analysis on student project data, identifying key factors influencing successful credit attainment, leading to a 15% increase in targeted educational program effectiveness.
- Executed machine learning algorithms**, including Random Forest and Gradient Boosting models using Python's Scikit-learn library, to predict project compliance with state education standards, achieving an accuracy improvement of 20% over previous models, thereby streamlining the credit award process.
- Optimized data mining techniques** using R's arules package to uncover hidden patterns in student project submissions, resulting in the identification of common areas needing improvement, boosting overall educational quality and student success rates by 10%.
- Integrated predictive analytics** into daily operations through the development of forecasting models using ARIMA time series analysis in Python, improving inventory management accuracy by predicting resource needs for project reviews, thereby increasing operational efficiency by 18%.
- Utilized Excel's advanced** features such as PivotTables, VLOOKUP, and conditional formatting to perform ad-hoc analyses and generate reports, streamlining monthly financial reviews and reducing reporting time by 25%, ensuring accurate budget allocations for educational programs.
- Collaborated with cross-functional teams** to implement data-driven strategies, utilizing SQL Server Reporting Services (SSRS) to deliver customized reports, thereby enhancing interdepartmental communication and alignment, fostering better collaboration between academic advisors and data analysts.

S.M Analytics- India January 2018 – December 2021
Jr. Data Analyst

- Formulated intricate SQL scripts** to aggregate and analyze sales data, employing window functions to calculate rolling averages and trends, leading to a 20% enhancement in sales forecasting precision.
- Established a scalable ETL framework** using Python's SQL Alchemy and Apache Airflow, automating data pipeline orchestration and ensuring data consistency across systems, reducing discrepancies by 15%.
- Deployed Power BI for comprehensive reporting**, utilizing advanced filtering and drill-down capabilities to present detailed performance metrics, facilitating more informed strategic decisions and boosting productivity by 12%.
- Conducted exploratory data analysis** using R's dplyr and ggplot2 packages to visualize distribution and correlation patterns, enabling stakeholders to identify high-value customer segments and improve marketing ROI by 10%.
- Built predictive models** using logistic regression and decision trees in Python's Scikit-learn, predicting customer lifetime value with an accuracy rate of 85%, guiding resource allocation and personalized marketing efforts.
- Implemented clustering algorithms** using K-means in R to segment customers based on behavioral attributes, refining targeting strategies and increasing campaign response rates by 15%.
- Leveraged data warehousing** principles to design and maintain a centralized repository using Microsoft SQL Server, standardizing data structures and enhancing accessibility for analysts, resulting in a 20% reduction in query processing time.
- Utilized Snowflake Cloud's elasticity** to scale data storage dynamically, handling peak loads during seasonal campaigns without performance degradation, maintaining consistent service levels.
- Employed Excel's Solver add-in to optimize** pricing strategies by performing scenario analysis, identifying optimal price points that maximized profit margins while maintaining competitive positioning.
- Performed sentiment analysis** on social media data using Python's NLTK library, extracting valuable insights into customer perceptions and feedback, informing product development and public relations strategies.

SKILLS

- Programming:** Python, R, SQL
- Data Visualization:** Tableau, Power BI, Excel, Looker, QlikView
- Analytics Tools:** SAS Visual Analytics, Snowflake
- Statistical Analysis:** SPSS, SAS, R
- Databases:** MySQL, PostgreSQL, Oracle, MongoDB, Snowflake
- Tools:** Jupyter Notebooks, Git, ETL tools (Talend, Informatica), JIRA, Confluence, Microsoft Project, Visio, Google Suite
- Healthcare Analysis Techniques:** Predictive modeling, root cause analysis, data quality assurance, financial analysis, market research
- Data Management:** Data warehousing, data modeling, data cleansing

EDUCATION

Master of Science in Information Systems & Engineering Management

Arizona State University, Tempe, Arizona, USA

Relevant Coursework: Data Mining, Business Intelligence, Database Management, Project Management, Data-Driven Decision making, Data visualization, Big Data Analysis.

Bachelor of Engineering in Computer Science Engineering

University Of Mumbai, India

Relevant Coursework: Data Structures, Algorithms, Database Systems, Software Engineering

CERTIFICATION

Certified in HIPAA Compliance, North American Learning Institute

Tableau Desktop Specialist, Tableau

Snowflake Certified Data Analyst, Snowflake

Certified SQL Programmer, Hacker Rank