

Amaan Akhtarali Modak

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PROFESSIONAL SUMMARY

- Highly skilled and results-driven data and business analyst with 6 years of extensive experience in extracting actionable insights from complex datasets to drive informed decision-making and business growth.
- Proficient in utilizing a wide range of statistical and data analysis techniques to identify trends, patterns, and correlations in data, providing valuable strategic recommendations to improve operational efficiency and optimize key performance indicators (KPIs).
- Proven track record of delivering data-driven solutions to business problems, successfully translating business requirements into data analysis frameworks and collaborating with cross-functional teams to implement solutions and achieve organizational objectives.
- Expertise in data manipulation, data cleaning, and data visualization using various tools and programming languages such as SQL, Python, R, and Excel, ensuring data accuracy and effectively communicating findings to stakeholders.
- Adept at designing and implementing dashboards and visualizations using business intelligence (BI) tools like Tableau, Power BI, and QlikView, empowering stakeholders with real-time insights for data-driven decision-making.
- Skilled in conducting market research and competitive analysis, leveraging data to identify market trends, customer preferences, and emerging opportunities, enabling businesses to gain a competitive edge and capture new markets.

TECHNICAL EXPERTISE

- Computer Skills: Oracle, Microsoft SQL server, IBM db2, IBM Cognos, Microsoft Excel, Word, Spreadsheets, Power BI, Tableau, BigQuery, Snowflake, QlikView, Informatica, Azure, AWS, Kaggle, Google Integration (Sheets, Docs, Slides).
- Programming Skills: Java, R, Python, XML, Git, HTML5, CSS, SQL, JIRA, Eclipse, Agile Methodologies.

EXPERIENCE

Sr. Data Analyst, Tradefull, North Canton, OH, July 2022 - Present

Successfully delivered multiple partner projects, in the retail domain, from the onboarding stage through deployment in to production. Increased process efficiency by 50% and reduced implementation cost by 33% by automating the process of transmission and error detection.

- Created and maintained database systems and ETL processes using Oracle, Microsoft SQL Server, and Snowflake to optimize data storage and retrieval, resulting in a 25% increase in query efficiency.
- Wrote advanced SQL queries and performed system configurations, optimizing data analysis and reporting processes.
- Successfully translated complex metrics and business requirements into user-friendly formats through innovative solutions, enabling quick and accurate data analysis.
- Achieved a 70% improvement in database performance and loading speed by optimizing SQL queries and conducting database defragmentation.
- Owned and managed operational database services, ensuring high availability and optimal performance for MS SQL Server and Oracle databases.
- Proactively monitored and resolved database incidents and service requests, ensuring minimal downtime and disruption to business operations.
- Empowered stakeholders with actionable insights and improved decision-making processes by developing interactive dashboards and reports using Microsoft Power BI, Tableau, and Google Integration Suite (Sheets, Docs, Slides).
- Automated data integration processes using Informatica, reducing manual data entry, saving over 20 hours per week.
- Played a key role in fostering a data-driven decision-making culture by actively contributing to the continuous improvement of the BI team's tools, skills, and overall impact.

Data Integration Analyst, OpenText Corp, Atlanta, GA, October 2018 – July 2022.

Integrated complex systems and provided cross-platform and cross-system support for over 15 partners, with timely deliverables, resulting in significant cost savings and improved operational performance.

- Achieved a 15% increase in forecasting model accuracy by leveraging programming skills in R, Python, and SQL to perform comprehensive data analysis and modeling.
- Conducted in-depth data analysis to identify trends, patterns, and anomalies, enabling proactive risk management.
- Successfully orchestrated the migration of data from legacy systems to modern data warehouses, ensuring seamless data consistency and enhanced accessibility.
- Applied Joins, Sub-Queries and Stored Procedures to simplify complex queries and optimize procedures and triggers for production use in SQL, MySQL and BigQuery depending on the scope of the project.
- Led data quality initiatives, identifying and resolving data errors, contributing to 15% reduction in data-related errors.
- Managed data governance and security protocols, ensuring compliance with industry standards and data regulations.
- Collaborated with infrastructure and application teams to strategize and implement solutions for new and recurring database-related challenges.

Software Engineering Intern, AG Technologies, Chesterfield, MO, March 2018 – October 2018.

- Identified and resolved issues in the software codebase, using debugging tools and techniques.
- Conducted software testing and quality assurance activities to ensure that the software met the required standards and specifications. Participated in code reviews and contributed to the overall development process of the software.
- Participated in architectural discussions and decisions, contributing to the design and improvement of database infrastructure and solutions.
- Responded promptly to database-related alerts and escalations, diagnosing and resolving issues to ensure minimal impact on business operations.

Graduate Student Assistant, University of Buffalo, Buffalo, NY, May 2017 – September 2017.

- Led a team to design, develop, test and deploy an examination tool software, to aid the department of Civil Engineering to conduct tests and automate the process of grading.
- Accomplished 99% accuracy in results evaluation through automating the system to make it an error free grading system, and reduce the processing time by 50%.

EDUCATION

- **Master of Science, Computer Science and Engineering**, University at Buffalo, State University of New York
- **Bachelor of Engineering, Computer Engineering**, University of Mumbai, India

CERTIFICATIONS

- **Google Data Analytics Professional Certification**, Coursera, May 2023
- **Fundamentals of the Databricks Lakehouse Platform Accreditation**, Databricks, June 2023
- **BI Foundations with SQL, ETL and Data Warehousing by IBM**, Coursera, June 2023
- **Financial Analysis Skills for Success from University of Illinois at Urbana Champaign**, Coursera, June 2023
- **Data Analysis and Visualization Foundations – IBM**, Coursera, June 2023
- **Use Tableau for Your Data Science Workflow – UC Irvine**, Coursera, July 2023
- **Data Warehouse Engineer Specialization – IBM**, Coursera, August 2023
- **Data-Driven Decision Making – University at Buffalo**, Coursera, August 2023
- **Business Analytics with Excel: Elementary to Advanced – Johns Hopkins University**, Coursera, August 2023