Vishal Brahmananda

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PROFESSIONAL EXPERIENCE

CENCORA   **Chicago, IL**
Business Intelligence and Data Governance Analyst   **June 2023 – December 2023**

- Engineered a sophisticated Tableau and SQL-based data reporting infrastructure that offered actionable insights into product performance and market dynamics, resulting in a 10% decline in customer churn and fostering a 5% increase in retention, positively impacting the company's revenue stream.
- Devised and executed A/B testing protocols that honed product features, enhancing the conversion rate by 19 basis points, and implemented pricing strategies that augmented customer lifetime value by 25%, cumulatively boosting financial outcomes.
- Built a suite of operational reports in Tableau, identifying key areas for process improvement that translated into an incremental annual revenue of $250K, directly correlating with strategic investment adjustments and resource allocation.
- Led a specialized analytics team comprising both full-time employees and contractors, driving a data-centric culture and instigating a 15% uplift in productivity through the adoption of agile, data-driven methodologies and continuous learning initiatives.
- Orchestrated network security enhancements in alignment with NIST, HIPAA, and HITECH standards using BI tools for risk analysis, which reduced security incidents by 50% and reinforced the company's commitment to protecting sensitive health data in the pharmaceutical sector.

Canopus GBS   **Bangalore, India**
Data Analytics and Integration Specialist   **September 2021 – June 2022**

- Instituted and enforced a comprehensive data governance policy that heightened data accuracy by 20%, reducing data-related errors by 15%,
- Collaborated on data-driven initiatives that augmented revenue by 25% while reducing operational costs by 30%.
- Formulated and maintained predictive models using advanced analytics, which catalyzed a 10% increase in sales and a 5% rise in customer retention, driving forward strategic business decisions.
- Led an ETL optimization initiative, leveraging PySpark and PL/SQL, that improved data availability for analytics by 30%. By architecting Django web applications for SAP HANA health checks, efficiency in data processing was enhanced by 15%, enriching BI data workflows.
- Orchestrated the development of critical reports and interactive Tableau dashboards, fostering a 15% increase in productivity and a 10% uplift in customer satisfaction, while also refining reporting processes across enterprise groups by 20%, ensuring greater specification precision.

ONWARD Technologies   **Chennai, India**
Business Data Analyst   **October 2020 – August 2021**

- Orchestrated a data analysis overhaul using Teradata, Hadoop, and Spark, improving query efficiency and streamlining batch processing, contributing to a 10% uplift in business process efficiency and bolstering data-driven decision-making.
- Conducted over 15 Agile-led requirements analysis sessions, which also served as professional development workshops, enhancing project alignment with business objectives and improving service metrics by 30%.
- Managed TensorFlow predictive modeling, refining product features based on data insights, and contributed to a 95% increase in client satisfaction, ensuring products met evolving market demands.
- Architected automated ETL processes that enriched data warehouse operations, augmenting data accessibility by 30% and processing efficiency by 15%. Also crafted interactive Tableau dashboards to facilitate real-time analytics, resulting in a 15% lift in productivity.
- Partnered with QA teams to craft test cases and coordinate UAT, enhancing product quality by 40% as evidenced by a significant reduction in defect rates within the first six months post-launch.

EDUCATION

University of Illinois at Chicago   Chicago, IL
MS in Business Analytics   **August 2022-December 2023**
Dayananda Sagar University   Bangalore, India
Bachelors in Electronics and Communication Engineering   **August 2016-May 2020**

ADDITIONAL EXPERIENCE

UIC Department of Disability and Human Development   **Chicago, IL**
Business Intelligence Analyst Intern   **January 2024 – Present**

- Led the analysis of US Census disability data using SAS, enhancing data manipulation with Excel VBA and pivot tables, which uncovered key insights into employment with disability and informed a data-driven advocacy strategy, improving policy engagement.
- Designed BI reports centered on employment disparities within disabled populations using Power BI and DAX, providing stakeholders with pivotal data modeling and analysis that boosted decision-making effectiveness by 25%.
- Directed a data harmonization project targeting employment among the disabled in the US, leveraging Python and R for sophisticated data modeling, which resulted in a 20% uplift in project efficiency and depth of analytical insights.

Aeronautical Defense Establishment (DRDO)   **Bangalore, India**
Financial Data Analyst Intern   **January 2020 – May 2020**

- Drove an 11% uplift in finance system efficiency by architecting and deploying a data management protocol that optimized the reporting process, enriching the foundation for strategic investment decision-making through in-depth spending analysis and responsive ad-hoc reporting.
- Instituted a comprehensive forecasting and reporting system that bolstered financial data precision by 14%, ensuring heightened accuracy and ready availability of financial records and investment reports.

PROJECT

United Airline's Performance Data Visualization

- Leveraged Tableau to analyze 50,000+ Bureau of Transportation Statistics (BTS) records, unveiling pivotal insights that propelled United Airlines into the top three for on-time performance within the industry. Directed a project that employed strategic data visualizations to boost operational efficiency, achieving a 15% improvement and streamlining the decision-making process for executive stakeholders.

Kansas University Baseball Scouting Analysis

- Modernised a Python-based overhaul of complex baseball datasets, achieving an 80% reduction in complexity, thus streamlining scouting processes and empowering strategic talent acquisition.
- Conducted an in-depth analysis of player performance using statistical modeling, enhancing game-time strategic decisions by 30% and playing a pivotal role in driving the team's success in competitive tournaments.

Air Quality Analysis & Index Prediction

- Crafted an innovative AQI algorithm with Python and Pandas, merged with Matplotlib for visual insights, delivering a model that not only met air quality standards but also enriched environmental health analysis accuracy.
- Applied Random Forest regression techniques post-Exploratory Data Analysis (EDA) to develop an advanced predictive model, achieving an 82% accuracy rate in AQI forecasting, thereby providing actionable insights for environmental health initiatives.

SKILLS

Programming and Scripting: Python, R, Java, SQL, Unix, HTML
Big Data and Cloud Computing: Apache Hadoop, Spark, Hive, Kafka, PySpark, NoSQL, AWS, Azure, GCP, Azure Database, Cosmos DB, Oracle, Snowflake, SSIS, SPSS
Data Science and Analytics: PowerBI, Tableau, Alteryx, Looker, TensorFlow, Scikit-learn, PyTorch, Classification, Docker, A/B Testing, NumPy, Pandas
Project Management and Collaboration Tools: Jira, Git, Agile, Scrum

CERTIFICATION

Certified in Data Analytics Essentials (Cisco), Google Data Analytics (Google), DP-900: Microsoft Azure Data Fundamentals, Six Sigma white belt (CSSC), SQL Intermediate (Hacker Rank)