

Summary

MS-IS grad with 3 years of experience in **Data Science and BI Analytics** seeking a fast paced and complex problem-solving role

Skills

Specialization Areas: Business Intelligence Analytics, Data Analytics and Mining, Database Management, Data Warehousing, ETL

Certifications: Udemy-Tableau 10, Data Analysis with Python, Statistics with R, Coursera-IBM Data Science, Machine Learning, AWS

Tools/Applications: Tableau, MS SQL Server, Advanced MS Excel, R-Studio, MATLAB, SAS, MS Office Suite, MS Project, Visio, SAP

Programming: Python (*NumPy, SciPy, Pandas, Matplotlib, StatsModels, Tensorflow, PyTorch*), R, SQL

Professional Experience

AWARE Data Analytics Engineering Intern, Amtrak, Philadelphia, PA

Oct. 2019 – May 2020

- Extracted data from large datasets approx. 100TB with complex SQL Queries, blended the datasets and loaded using Tableau.
- Performed gap analyses between 2 data sources, designed and mapped data for consistency along with Senior Data Engineers.
- Optimized existing dashboards by creating new calculated field and filters. Improved accuracy and reduced the dashboard runtime by 60%. Built new dashboards for improved operational excellence of all trains based on latest run of various tracks.
- Analyzed the track geometry data from the built dashboards, provided data-driven insights of safety challenges like repetition of various track defects over the past 150 years and communicated the results through Tableau story reports to the Engineers.
- Enhanced on-board safety by designing Tableau dashboards to visualize threats that augments situational awareness and speed compliance of conductors, guidelines to prioritize and investigate track defects for Engineers. Increased ridership and revenue.
- Owned the design of a UI feature by developing MATLAB models and working with scrum team to ensure all requirements are met. The Agile project included designing, developing, A/B testing and releasing toggles for switching between multiple frames.
- Driven multiple large projects to completion in cross-functional roles including development and project management.

Research & Data Analyst Intern, Ruth's Way Inc., Pittsburgh, PA

Jun. 2019 – Aug. 2019

- Conducted research on behavior analysis of adolescent children. Designed google surveys for gathering data from 100 children and their parents for collective input, stored the data in MS Excel (macros and pivot tables) and ensured data integrity.
- Developed detailed Python scripts for EDA, data validation, quality and filtering to ensure consistent and clean data. Uncovered several key data inconsistencies such as Null and identified outliers. Removed the null value and outlier rows for better analysis.
- Aggregated the cleaned dataset and transformed categorical to numerical values for analytical purposes. Analyzed the enriched dataset using Tableau to find the positive impact of company's program on the children's behavior growth and education.
- Visualized data on Tableau stories staging percentage increase in behavioral & academic growth of students with time series analysis which helped them re-strategize their marketing KPI metrics, drive product decisions and achieve the targeted revenue.
- Implemented new marketing strategies to minimize churn by posting screenshots of the statistical analysis on the company's website as an experiment which impacted over 80% of the key stakeholders due to the insights and KPIs displaying tremendous behavioral improvement over the past 3 years as business solutions and to drive key business decisions in future.

System Integration Debug Engineer, Intel Corporation, Bangalore, India

Dec. 2016 – May 2018

- Visualized data of power performances and struggles over the past 5 years during processor power-on period using MS Excel, Tableau, identified the patterns and trends of processors which helped increase revenue, most to least and their KPI metrics.
- Designed a dashboard of interactive charts to visualize team's productivity data with pivot tables on team's details, knowledge growth, bug priority, duration, root-cause, overall bugs, open/closed bugs in Tableau, helped increase team's efficiency by 50%.
- Worked across platforms, took ownership of several issues and developed Python scripts to automate the activation of power rails and validate power performances of different processors in Windows OS. Increased the overall project efficiency by 70%.
- Achieved client satisfaction by data presentations of reported issue logs, root-cause analysis, early resolution, on-time delivery.

Academic Projects

Systems Analysis Design & Business Process Management

- Planned, designed and developed an e-book prototype with use cases, architecture design, requirements analysis and ux-testing
- Developed a Business Process using SAP to integrate sales & distribution process of Global Bike through an order-to-cash cycle.
- Developed business solutions to Starbucks Waste Management System by re-designing & re-engineering using BPMN Diagram.

Data Visualization, Data Mining/Modeling & Database Management(Schema, Rational Databases and Normalization)

- Designed a Tableau dashboard for the distribution of Olympic Medals in different sports and countries to show trends over time
- Performed Data preparation, pre-processing, transformation & integration of NJ Transit & Amtrak data with Weather data in MS Excel (Pivot Tables). Produced train delays statistics and forecasting models with Multivariate Linear regression model using SAS.
- Determined accuracy & precision of credit risk by predictive modeling from Credit Dataset using ANN and Random Forest model
- Designed ER models to build a DB of the US' Baseball data. Developed complex nested queries using SQL for Data Profiling.

Education

Master of Science, Information Systems, New Jersey Institute of Technology, May 2020

GPA – 3.86

Bachelor of Engineering, Instrumentation and Control Engineering, Anna University, May 2016

GPA – 3.50