Komal Bachhuka

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Summary: Business Intelligence professional with over 5 years of experience helping businesses make data-driven decisions. Used analytics and data mining techniques to solve complex problems, driven business decisions, and created dashboards and visualizations of processed data to identify trends and anomalies.

Skills: Big Data, Data Science, Business and Data Analytics, Data & Text Mining, Agile, Kanban, Six Sigma, Data Visualization, Statistics, Hypothesis Testing, EDA, Time-Series Analysis, Regression, A/B Testing, SAS Visual
Languages and Tools: SQL, T-SQL, R, Python, SSIS, Visual Studio, Power BI, Tableau, Git, Jupyter Notebook, Azure ML Studio, RapidMiner
Databases: MS SQL Server, Microsoft Access, MySQL

PROFESSIONAL EXPERIENCE

Harbor Wholesale Foods, Lacey, Washington, USA
Business Intelligence Engineer, June 2018- June 2019

- Identified problem areas via the descriptive and diagnostic analysis of an ETL process that generates customer pricing.
- Achieved 40% reduction in the execution time of 'customer pricing generation' process through SQL query optimization.

Harbor Wholesale Foods, Lacey, Washington, USA
SQL Developer, Sept 2018- Feb 2019

- Achieved 100% migration of historical product delivery data by spearheading the data migration project.
- Successfully enabled event-based listeners for the real-time data from Harbor's logistics solution provider to its data warehouse.
- Further, reduced operational costs by facilitating data migration from the on-premise server to Azure Data Lake.
- Reduced execution time by 10% by updating an ETL job in SSIS and optimizing a number of stored procedures and SQL queries.

S&P Global Market Intelligence, Gurgaon, Haryana, India
Data Researcher 2, Oct 2015 - Nov 2017
Data Researcher 1, Apr 2013 - Sep 2015

- Gathered data and created reports on business, products, financials, and transactions related to companies involved in Merger and Acquisition (M&A) to enable investment recommendations.
- Reduced manual intervention by 30% by publishing web crawlers and spiders for regular updates.
- Saved 5 FTEs on a monthly basis by acting as a liaison between the research and IT team during 'Celsus' upgrade (a data collection software).

RELEVANT PROJECTS

Text Spam Classification, March 2019- May 2019 Github (Python)

- Built a Naïve-Bayes classifier to classify text spam messages using a public set of SMS labeled messages that have been collected for mobile phone spam research.
- Achieved 93.37% accuracy in classifying texts.

Sales Prediction, Feb 2019- March 2019 Github (R, Power BI)

- Did predictive analytics on BigMart sales data using Lasso, Ridge, Random Forest, and XGBoost techniques.
- Compared and evaluated models on Root Mean Squared Error (RMSE) and latency dimensions.

Rainfall Prediction, Jan 2019- March 2019 Github (R)

- Did logistic regression to predict rainfall for the Seattle-Tacoma area using data from the Climate Data Online repository.
- Predicted rainfall with 78% accuracy.

Loan Prediction, Dec 2018- Feb 2019 Github (Python)

- Built a classifier to validate customer eligibility for a loan with 80% accuracy using 'Dream Housing Finance' dataset.

Climate Change, Oct 2018- Nov 2018 (Tableau)

- Analyzed and forecasted Earth Temperature data on Tableau to study if climate change is for real.

Performance Analysis, Sep 2018- Oct 2018 (Tableau)

- Visualized KPIs in Global Superstore data and identified problem areas for the company to focus on.

EDUCATION

Milgard School of Business, University of Washington (Tacoma, Washington)
Master of Science in Business Analytics, June 2019 CGPA: 3.77

Birla Institute of Management Technology (Greater Noida, UP, India)
Post Graduate Diploma in Management, April 2013

Miranda House, University of Delhi (New Delhi, Delhi, India)
Bachelor of Science (Mathematics), May 2011