Komal Bachhuka

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EDUCATION

Milgard School of Business, University of Washington (Tacoma, Washington)

Master of Science in Business Analytics, May 2019   CGPA: 3.75

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

SKILLS

Keywords: Big Data, Data Science, Business and Data Analytics, Data mining, Agile, Kanban, Six Sigma, Data Visualization, Statistics, Hypothesis Testing, EDA
Languages and Tools: R, Python, SQL, T-SQL, SSIS, Visual Studio, Power BI, Tableau, Git, Jupyter Notebook, Azure ML Studio, RapidMiner
Databases: MS SQL Server, Microsoft Access, MySQL

EXPERIENCE

Harbor Wholesale Foods, Lacey, Washington, USA
Business Analytics Intern, June 2018- Present
- Building a prototype to reduce the duration of the customer pricing generation process.
- Performed descriptive, diagnostic, and prescriptive analytics on the execution metrics generated by the SSIS package.

Harbor Wholesale Foods, Lacey, Washington, USA
SQL Developer, Sept 2018- Feb 2019
- Used T-SQL, SSIS, and data tools to develop/maintain enterprise-level ETL processes including process logging, data validation, and data integrity checks.
- Migrated product delivery data from Harbor's logistic solutions provider to the company's data warehouse.
- Explored Azure ecosystem and supported data migration from on-premise server to Azure Data Factory.

S&P Global Market Intelligence, Gurgaon, Haryana, India
Data Researcher 2, Oct 2015 - Nov 2017
Data Researcher 1, Apr 2013 - Sep 2015
- Gathered data on business, financials, transactions, people, and investment related to companies involved in Merger and Acquisition (M&A) transactions and created 'Tearsheet' for the Capital IQ platform.
- Participated in the scoping of improvements with the management team to turn business requirements into actionable specifications.

RELEVANT PROJECTS

Text Spam Classification, March 2019- Present   (R)
- Building 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.

House Price Prediction, Feb 2019- March 2019   (R)
- Built regression and decision tree models to predict the median price of houses using the Boston housing dataset.
- Compared models using Sum of Squared Errors (SSE) and improved performance using various feature combinations.

Sales Prediction, Feb 2019- March 2019   (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   (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   (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.