**Akhil Kulkarni**

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**EDUCATION**

**The University of Texas at Dallas** (with Dean’s Excellence Scholarship)*(Expected)* May 2019   
M.S. in Business Analytics  GPA: 4.0/4.0

**Birla Institute of Technology and Science (BITS), Pilani:** B.E. in Computer Science May 2014

**TECHNICAL SKILLS**   
Analytical Tools: SAS, Tableau, STATA, Microsoft SSIS, SSAS, SSRS, SAP HANA, Lumira, MS Excel

Languages: R, Python, C, C++, C#, VBA, SQL, MDX  
Databases: SQL Server 2012/2016/2017, SAP HANA, MS Access, Oracle Apex, MySQL

**EXPERIENCE**

**Business Intelligence & Analytics Consultant** atThorogood Associates, Bangalore Aug 2016 – Jul 2017

* Designed data pipelines for the sales department of a CPG company with $60B+ revenue. Evaluated the effectiveness of their marketing campaigns and advised on which market segments to focus on.
* Defined and implemented scalable OLTP databases using SSMS and OLAP databases using SSAS. The databases contained 2 TB of sales data, spanning 5 countries, 10 years, 160K products and 200 million records.
* Developed SQL procedures and SSIS packages to automate ETL operations and blended granular internal sales data with aggregated Point of Sale (ePOS) data provided by Nielsen.
* Delivered insights into profits of the CPG company and the profits of the retailers selling their products.
* Generated reports and insights using Tableau for 490 clients during sales negotiations worth $16B.

**Senior Technology Analyst** at LexInnova Technologies, New Delhi, IndiaJun 2014 – Jul 2016

* Analyzed technology landscapes to identify merger/acquisition targets worth $5B using advanced MS Excel.
* Examined a 70,000+ patent portfolio and identified valuable patents used in a settlement worth over $2B.
* Conducted training programs for 16 technical employees on patent analytics and VBA macro creation in Excel.
* Won “Employee of the Month” award in April 2016 and the monthly “Star Performance” award 8 times.

**Software Development Intern** at C-DAC, Bangalore, India May 2013 – Jul 2013

* Developed a platform for generating queries on 13 distributed databases using Python and Apache Tomcat.
* Implemented 4 different algorithms to reduce the network’s bandwidth utilization and response time by 75%.

**ACADEMIC PROJECTS**

**Analyzing the Effect of Gun Laws on Crime Rates using R and STATA** Jan 2018 – Apr 2018

* Analyzed panel data of 50 states over 23 years to predict the effect of shall-issue laws on violent crime, robbery and murder rates.
* Developed multiple regression models including pooled OLS, entity-fixed effect, time-fixed effect and random effect models to find the most suitable model using R and STATA.
* Concluded there was no statistically significant effect of gun laws on crime rates.

**Patent Strength Prediction using SAS** Aug 2017 – Dec 2017

* Developed a regression model using SAS EM to predict patent strength by analyzing 28 variables of a dataset comprising of 28,231 patents. Performed data cleaning, data validation and imputation using Excel and SAS.
* Reduced the prediction error rate by 55% and time required to analyze patent portfolios by 85%.

**Sentiment Analysis using SAP HANA** Aug 2017 – Oct 2017

* Created custom dictionaries and cleansed data (obtained using Twitter’s RESTful API Adapter) with SAP HANA Data Provisioning for sentiment analysis of popular phone tablets.

**ORGANIZATIONS**

**Dean’s Council,** The University of Texas at Dallas– MemberJan 2018 – Present

**Consulting Club, MIS Club,** The University of Texas at Dallas– MemberAug 2017 – Present

**PUBLICATIONS**

*“Experiments on Information Retrieval Mechanisms for Distributed Biodiversity Databases Environment” (2014)* [[IEEE]](http://ieeexplore.ieee.org/document/7019650/)

* Developed a prototype information retrieval system using the distributed Grid-Cloud network resources.
* Adjudged the best paper out of around 250 papers presented at the 2014 IC3I conference in Mysore, India.