ANAGHA DIWANJI

College Park, MD 20740  240-762-9930  anagha.diwanji@rhsmith.umd.edu

# EDUCATION

## **Robert H. Smith School of Business, University of Maryland,** College Park, MD Expected: Dec 2016

**Master of Science in Information Systems** GPA: 3.7

* Coursework: Data Models & Decisions, Data Networks & Infrastructure, Managing Digital Business &Markets, Data Mining & Predictive Analytics, Big Data (Hadoop, Pig, Hive, Apache Spark), Business Process Analysis, Project Management.

## **Cummins College of Engineering for Women,** Pune, Maharashtra May 2015

## **Bachelor of Engineering, Computer Engineering**

# TECHNICAL SKILLS:

Area of expertise: SQL, R, DBMS, ER Modelling, Predictive Models (Regression, Decision Trees), Data mining, Data Cleansing,

MS Excel (Stat Tools, Precision Tree, Pivot tables), PHP, Data Visualization, Agile(scrum), HTML,CSS

Productivity Tools: MS Word, MS Access, MS PowerPoint

# PROFESSIONAL EXPERIENCE

## **Factgem,** College park, Maryland Summer 2016

**Data Analyst Intern**

## Built prototype of market basket analysis of retail data using R language and implemented the final deliverable for client using Cypher query language.

* Created sample visualizations of customer demographics comparisons using Tableau.
* Implemented fraud (outlier) detection algorithm using association rules in R for achieving retail loss prevention.
* Conducted extensive research for new algorithms to be implemented and drafted relevant documentation.

## **Act to Rise for Innovation in Special Education (ARISE),** Chandigarh, India Summer 2014

**Technical Intern**

### Spearheaded a team of three to construct and maintain database of website established to aid and assist 150 children with muscular dystrophy.

### Programmed in PHP and SQL to develop and efficiently implement student dashboard section of website.

## **Persistent Systems Ltd**., Pune, India Oct 2014- Mar2015

**Technical Intern**

### Implemented project aimed at creating water portal to analyze current water scenario in India and to provide interactive data visualization.

### Data mining and Predictive Analytics: Programmed in R language to explore different areas of water like quality and infrastructure using descriptive data analytic techniques such as time series and make predictions using k-means algorithm.

### Won project based paper presentation competition held in Pune Institute of Computer Technology.

# RELEVANT ACADEMIC PROJECTS

## **‘Graduate School Database management system’** Sept-Nov 2015

* Implemented an intuitive management system using Salesforce.com to enable students and faculty for efficient management of all their demographic data, subjects and corresponding grade details.
* Built an ER model and used SQL to perform queries like calculating grades of students.

**‘Bike rental inventory Management System’** Oct 2015

### Forecasted profit/loss incurred by the bike rentals with the current policies and procedures followed using Risk tool in MS Excel.

**‘Process improvement for Doctor’s Community Hospital’:** Mar-May 2016

* Managed and improved the client’s ‘Lose it to Win it’ program using the scrum (agile) framework.

# ADDITIONAL INFORMATION

### Currently participating in an online tutorial to learn self-service BI tools like Power Query and Power Pivot, as well as Power BI for enhancing queries and reports.

### Created sample dashboard for superstore data using Tableau software during on-campus event conducted by Deloitte.

### Facilitated organizing of technical/non-technical events for the betterment of IS community as the Vice President of Administration, Information Systems Association.