Ishan Goradia

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EDUCATION

Robert H. Smith School of Business, University of Maryland, College Park, MD **2016**
Master of Science in Information Systems; **GPA: 3.6/4**
Relevant Coursework: Data Mining, Project Management, Big Data, Business Process Analysis, Data Models and Decisions

Dwarkadas J. Sanghvi College of Engineering, University of Mumbai, Mumbai, India **2015**
Bachelor of Engineering, Focus Area: Computer Engineering

PROFESSIONAL EXPERIENCE

FactGem, College Park, MD **May 2016 - Ongoing**
Data Analyst Intern
- Integrated Cypher queries in RStudio to extract transaction and customer data from graphical Neo4j database in order to gain valuable insights through affinity analysis and data visualization.
- Assisting the lead data scientist with performing the basket analysis using Cypher, and developed R scripts to speed up some of the processing of the application.

Airpay Payment Services, Mumbai, India **2014**
Data Analyst Intern
- Gathered data by applying mining and filtering techniques on online sources and contributed to the expansion of existing databases of the firm's potential customers.
- Interacted with a potential client and helped devise an innovative solution to increase their efficiency, thereby facilitating the client signing on with the firm.

ACADEMIC EXPERIENCE

Predictive analysis of relationship between quality ranking of wine & its chemical properties **2016**
- Utilized variable selection methods and developed predictive models using logistic regression, classification trees, and random forest to accurately predict the quality of wine from examining the wine's chemical properties with a 90% sensitivity rate.
- Deep-dived into the data to create analyses and visualizations to draw insights and key metrics useful for decision-making.

Amazon Fine Food Reviews **2016**
- Curating and organizing big data spanning a period of 10 years and over 500,000 entries along with loading & managing it on a Hadoop cluster using Amazon Web Services (AWS).
- Analyzing the data by segments through the use of Pig & Hive to find seasonal patterns in the reviews, classifying reviewers' nature based on tone & language, and building a prediction model using Spark to predict the sentiment of the reviews.

Regression-based analysis for predicting best diamond **2015**
- Developed a set of variables using Microsoft Excel and used variable transformation in a regression model to obtain the best available choices from the given statistical data set.
- Received extra credit for developing a model with high accuracy and low error rate when compared to actual results.

Database Management System for a Housing Community **2015**
- Designed and developed an interactive database application for a housing community by creating a relational database that manages resident details, their leases, payments and maintenance vendors.
- Created and modified various Extract, Transform, Load SQL scripts to query the transactional database built with MS SQL Server to display the result using HTML and PHP on a webpage.

ADDITIONAL INFORMATION

- **Technical Skills:** R, Cypher, Neo4j, SQL, Python, MS Excel, MS SQL Server, MS Project, Stat Tools, R Studio, Hadoop, Amazon Web Services (AWS), Agile/SCRUM software development methodology.
- **Certification:** Ethical Hacking & Information Security course, R Analytics certificate program.
- Headed the event management team for college chapter of Computer Society of India (CSI); mentored and delegated responsibilities to 20 volunteers for organizing workshops in college.