

KARAN KASHYAP

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EDUCATION

- **Master of Science in Information Management**, University of Maryland College Park, USA (**GPA: 3.8**) (Expected May 2017)
Coursework: Data Analytics for Information Professionals, Analyzing Social Networks & Social Media, Digging into Data, Visual Analytics, Management of Information Programs & services, Users & Use Context.
- **Bachelor of Engineering – Computer Engineering**, University of Mumbai, India (Distinction) (Jul 2011 – Jul 2015)
Coursework: Advanced Database Management System, Data warehousing & Mining, Computer Programming II - JAVA

TECHNICAL SKILL SET

- **Programming Languages:** Java, C++, R, VBA
- **Web Technologies:** HTML, CSS, PHP, JavaScript
- **Application:** Tableau, SAS, Gephi, MS Office, Hyperion
- **Database Technologies:** MySQL, MS SQL Server, MS Access
- Interactive Reporting, SharePoint, Jigsaw

EXPERIENCE

- **Business Intelligence Intern – Public Company Accounting Oversight Board (PCAOB)** (Jun 2016 – Present)
 - Perform **statistical analysis** on financial and non-financial data using **SAS** and Excel.
 - Ensure data quality through review and **validation** with source material
 - Extract and clean **raw data** from various sources to be added into the **database**.
 - Create **interactive dashboards** using Excel power pivots, slicers and **VBA**.
 - Perform **risk analysis** of NAF & restatement reports and **visualize** data using SAS visual analytics and Excel.
- **Graduate Research Assistant, Office of Enrollment Management, UMD** (Aug 2015 – July 2016)
 - Analyzed student financial aid records and created reports and **dashboards** using Excel.
 - Modified and improved reports using **Oracle's Hyperion** Interactive reporting tool – Brio.
 - Worked directly with the Associate Director and re-engineered a **business process** that resulted in **30% improvement** in productivity.
 - Managed and **expanded** the firm's intranet and collaboration portals built on SharePoint 2010.
 - Reduced email **response time by 20%** by performing **text analysis** on past interactions.
 - Interacted with undergraduate students and solved their **queries** using Talisma – CRM software.

ACADEMIC PROJECTS

- **Fannie Mae's Mortgage Credit Risk Analysis using Apache Hadoop** (Jul 2016 - Aug 2016)
 - Extracted relevant data containing **twenty million** records provided by Fannie Mae and stored it in **HDFS**.
 - Used **Impala** – a library provided by **Cloudera** to aggregate and extract relevant subsets of the data.
 - Performed statistical **analysis** on the aggregated data using R across variables like FICO score, LTV, DTI, loan size and purpose.
- **Predictive Analysis of US Airline flight delays** (Feb 2016 - May 2016)
 - Extracted and **analyzed** relevant data from the US department of transportation.
 - Created predictive **models** using logistic regression, random forest and **Naïve Bayes** classification algorithms.
- **Social Network Analysis of 2016 U.S. Presidential Elections** (Jan 2016 - Feb 2016)
 - Extracted and **analyzed** social media as a source of real time information, using NodeXL and Twitter Apl's.
 - Performed **network visualizations** of U.S. Presidential candidates using Gephi & **sentiment analysis** in R to evaluate public reactions and observe the information flow in their network.
- **Identifying Trends in Technology Adoption by the residents of Washington, Seattle** (Aug 2015 - Dec 2015)
 - Identified and **extract** relevant data from the U.S. Census datasets provided as open data.
 - Performed **statistical tests** in R like 2 – sample T test and Chi – squared test and drew inferences from it.
- **Implementing Ingenious Strategic Planning and Management at the Union Shop** (Aug 2015- Dec 2015)
 - Performed **SWOT analysis** to analyze and identify key issues with the existing framework at the Union shop.
 - Worked as a cross functional team and suggested ways to improve the current organizational structure to ensure customer satisfaction.
- **Predictive Analysis for Insurance Agencies** (Jan 2015- May 2015)
 - An application to aid insurance agencies to **predict potential customers** and to implement **customized pitching** of policies to existing customers.
 - Implemented using R, Rattle and Tableau. **Clustering**, segmentation and **classification algorithms** were used.
- **Cricket League Management System** (Jan 2014- Jun 2014)
 - An application for cricket league management to create auction of players, build up fixtures, manage venues and results.
 - This project was implemented using **SQL server** management studio, HTML5, CSS3 and PHP

EXTRA-CURRICULAR ACTIVITIES

- Achieved International ranking in **Chess**, currently ranked 4487 in India. (Jan 2008)
- Represented Maharashtra for two years at the **National level** and have won numerous **State level Tournaments**. (2007/2008)
- Deputy **Music Secretary**, Vesit. Organized and managed the Music festival of Vesit-Octaves. (Jun 2013)
- Planned and executed promotional **campaigns** for Praxis -Technical Festival (Jan 2014)
- **Volunteer** at SoRT – Social Responsibility Team, Vesit. (Apr 2014)