

# NIHAR DEEPAK DALMIA

Data Scientist | Data Geek

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## Objective

To be at the intersection of business, technology and people, and leverage my data science and analytics skills to drive intelligent inter-domain data-driven decisions

## Education

**School of Information, University of California, Berkeley** Aug'16 - May'18

Pursuing Masters in Information Management and Systems with a specialization in Data Science (GPA: 3.794)

Classes Taken: Data Mining and Analytics, Applied Machine Learning, Natural Language Processing, Information Organization, Quantitative Research Methods, Information Visualization

**Fr. Conceicao Rodrigues College of Engineering, University of Mumbai** Aug'09 - Jun'13

Graduated with *First Class* in Bachelor of Engineering in Electronics

## Academic Projects

**Twitter Sentiment Analysis** Apr'17 - May'17

- Implemented NLP techniques like tokenization, parts of speech tagging, lemmatization, Count and TF-IDF Vectorizers for feature extraction, and classifiers like LSTM Recurrent Neural Network, Logistic Regression, SVM, NN & Random Forest for prediction
- Successfully detected sentiment with 87.5% accuracy (with majority class of 62.13%), whereas the industry standard sentiment classifier Vader was only 74.62% accurate

**Visualizing Game of Thrones** | <http://people.ischool.berkeley.edu/~lynell/GameOfThrones/infviz.html> Apr'17 - May'17

Designed an interactive visualization of Game of Thrones using D3, Tableau and Adobe Illustrator

**Cyber Abuse Detection System** | <http://cyberabusedetection.herokuapp.com/> Nov'16 - Dec'16

- Created a self-awareness program which would warn users who are about to post abusive/insulting messages
- Identified directed insults with 88% accuracy. Developed an ensemble model with Logistic Regression, SVM and NN classifiers

**Data Acquisition and Navigation System for Unmanned Air Vehicle (UAV)** | *Secured Top 10 finish at SAE Aero International* | Mar'13

- Designed Navigation control and First Person View system where the pilot on ground receives real time data of location, air speed, altitude, heading and a live video feed from the UAV

## Professional Experience

**Beckon Inc., San Francisco Bay Area** | *Product Management Intern* Jun'17 - Aug'17

*Successful startup that provides Marketing performance insights to large enterprises by combining data and marketing intelligence*

- Spearheaded the Beckon Standard initiative and designed an end-to-end system to onboard clients onto Beckon. Reduced customer onboarding implementation time from approx. 2 weeks to under a day.
- Collaborated with customers and internal teams to identify key marketing metrics & dimensions and then designed reports and dashboards after combining data from channels like Google Analytics, DoubleClick, AdWords, Facebook, Twitter, YouTube etc.

**Tata Consultancy Services Ltd., Mumbai** | *Business Intelligence Analyst* Aug'13 - May'16

As a developer of Business Intelligence applications: Liaised with business and technical users to gather requirements, developed functional and technical specifications, and then developed, tested and deployed code for three clients in retail/CPG sector.

My key deliverables:

- Curated a multi-channel order to payment table. Wrote 2000+ lines of SQL code to integrate 2 billion records from 40 tables across 7 source systems into a single table. The table tracks key performances based on Service Level Agreements, supports retail demand forecasting and is a parent table to all the new developments in the order to payment space.
- Optimized inventory management by designing and encoding the logic to implement reposting of online sales to Brick and Mortar stores/warehouses and thus supported demand forecasting.

## Technical Skills

- Languages: Python, SQL, R, Shell Scripts, HTML, CSS, JavaScript, C++, Java, Matlab, D3, High Charts
- Tools: Informatica, Tableau, MicroStrategy, OBIEE, SAP Business Objects, Adobe Illustrator
- Techniques: Data Analytics, Predictive Modelling, Natural Language Processing, Statistical Modeling, Experimentation, Data Warehousing, Extract-Transform-Load, Data Visualization, Object Oriented Programming, Full Stack Development

## Extra-curricular Achievements

- Assisted Lions Club of Juhu to raise \$350K for the construction of an undergraduate school at a rural village
- Captained undergrad school soccer team winning two state level competitions