

Nehal Davda

Graduate Summer Fellow

Hartford, CT - Email me on Indeed: [indeed.com/r/Nehal-Davda/f962bf8e4aa16f8e](https://www.indeed.com/r/Nehal-Davda/f962bf8e4aa16f8e)

Willing to relocate: Anywhere

Sponsorship required to work in the US

WORK EXPERIENCE

Graduate Summer Fellow

Massachusetts Institute of Technology - Cambridge, MA - May 2017 to August 2017

- o Visiting student, analyzing campus sustainability data and building models and visualizations which will help to resolve

various campus sustainability issues.

- o Data science consultant for MBA student of MIT-Sloan school of Business for their summer Project

Analytics Associate

Capital One - Bangalore, Karnataka - May 2013 to August 2016

- Forecasting and Resource Management Analytics:

- o Built a Time Series Forecasting model to predict complaint ticket volumes and count of resources required for their

resolution. Reduced cost behind extra resources by 15%

- Customer Analytics using Text Mining:

- o Performed sentiment analysis for the customer responses using text mining in Python. (NLTK Package)

- o Calculated Customer satisfaction and Net promoter score and segmented the customers per these scores.

- o Designed a Tableau dashboard which provide insights about customers who are Promoters, Passives and Detractors

thus helping the business to develop actionable strategies to address each customer segment.

- Compliance analytics using Big Data and Visualization

- o Analyzed business metrics in SQL and R for 100+ bank processes to ensure that the metrics are meeting six sigma

quality standards and built a Tableau Dashboard for 1000+ users to visualize the metrics at high and detailed level.

- o Visited US office to meet 30+ process owners to understand the Business Process and metrics, identifying scope of merging and automation of the metrics.

- o Created a data infrastructure in Hadoop to house 5000+ Business metrics. Improved the quality of data aggregation

and automated ~350 metrics resulting 35% faster report generation and 9 FTE equivalent reduction of cost/effort.

- o Recognized by an Annual award (top 1% of employees) for outstanding contribution to this project

Data Scientist

Mu Sigma Business Solutions - Bangalore, Karnataka - March 2012 to May 2013

Predicted the effectiveness of upcoming promotions for US electronic retailer every week by building linear regression

model resulting into scrapping of 9 promotional items which increased the profit by 14%

- Segmented the US Physicians for a Healthcare company by K means Clustering in SAS to help the marketing team to strategize their marketing techniques, target the right Physicians and optimize the investment behind marketing.

Reduced the cost behind marketing by 28%

EDUCATION

MS in Business in Analytics and Project Management

University of Connecticut school of Business

August 2017

Bachelor of Engineering in Electronics

Sardar Patel Institute of Technology

June 2011

SKILLS

Forecasting (3 years), Hadoop (3 years), Python. (3 years), SQL (3 years), Visualization (3 years)

LINKS

<https://www.linkedin.com/in/nehaldavda>

ADDITIONAL INFORMATION

SKILLS

Tools: R, SAS, JMP, SQL, Excel, Python, VBA, Hadoop, Hive, SPARK, PIG, Tableau, MATLAB, C++

Analytical techniques: Time series Forecasting, Predictive Modelling, Machine learning, Big Data analytics, Text Mining

Visualization, Linear and Non Linear Optimization, Advanced Statistics (Hypothesis Testing, Regression, ANOVA, Probabilities)