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KEYUR DOSHI

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EDUCATION

Stevens Institute of Technology, Hoboken, NJ **May 2017**
Master of Science in Computer Science (Concentration in Data Science) **GPA: 4.0/4.0**

Selected Coursework: Data Mining, Web Analytics, Data Visualization, Advanced Algorithm Design, Cloud Computing

Gujarat Technological University, Ahmedabad, India **June 2012**
Bachelors in Computer Engineering **CGPA: 3.2/4.0**

WORK EXPERIENCE

Argus Information & Advisory Services, New York, US **June 2016 – August 2016**
Data & Application Solutions Intern

- Evaluated correlations among statistical data, identifying trends, summarizing findings across clients and products.
- Spearheaded Global Studies Code Repository Application reducing validation time by 900 minutes per month.
- Developed proof of concept for In-house application - built to replace Data Transformation Services packages.

Tata Consultancy Services, Mumbai, India **March 2013 – June 2015**
Oracle Application Technical Developer

- Designed and implemented complex integrations for General Electric (GE P&W) enterprise level architecture.
- Developed parts fulfillment component for the first time in GE history to address major pain point of fulfillments.
- Initiated and led process improvement ideations generating savings of USD 50,000 annually + 75 minute wait time.

PERSONAL PROJECTS

Netflix for Education, [Python – Flask – Mongo DB] **March 2016 – Present**

- Building a system which provides social navigation course recommendations based on students' assessment of course relevance to their career goals, with an aim to empower student's to reach maximum potential.
- Incorporating data sources such as YouTube videos, Google Scholar papers to produce broader recommendation.
- Integrating explicit and implicit feedback provided by community of users to distill collective wisdom to individuals

Real Time Data Clustering, [R – Shiny – Mongo DB] **December 2015**

- Developed a web application to exhibit the real time clustering of data and prediction based on user inputs.
- Integrated features to download, share and visualize interactive plots of data.
- Implemented Machine Learning models: K-Means Clustering, Generalized Linear Model

ACADEMIC PROJECTS

Web Server Log Analysis, [Apache Spark – Python] **July 2016**

- Developed a log analyzer to analyze the HTTP requests in NASA Kennedy Space Center web server.
- Processed the source of the hosts and failed requests to analyze client behavior and visualize the results.

Communicated Stories with Tableau, [Tableau – Mapbox – D3.js] **April 2016**

- Developed visualization showing geographic dispersion of NYC Citi bikes throughout the day using Mapbox.
- Created dashboard to represent twitter user habits and engagements over time using Twitter API data and d3.js.

Restaurant Review Classification model, [Python] **December 2015**

- Developed machine learning model on customers' reviews on restaurants and achieved accuracy of 86.8%.
- Implemented Machine Learning models: K-Nearest Neighbor, Logistic Regression, Multinomial Naive Bayes

SKILLS

Programming Languages: Python (sklearn, pandas, PySpark, nltk), C, C#.Net, Java, PL/SQL
Statistical Modeling Languages: R, SAS, SAS Enterprise Miner
Big Data Ecosystem: Map Reduce, Hive, Apache Spark, Amazon EC2
Database System: Oracle, MongoDB, SQLite, SQL Server 2008
Machine Learning: Classification, Prediction, Clustering, Feature Engineering
Visualization: Tableau, D3.js, Shiny, ggplot2, Plotly
Certificates: Six Sigma Green Belt Certified, Google Analytics Certified

Available: January 2017