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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 recommender system on student's desired area of interest, either gleaned from past registrations history or expressed preferences with an aim to empower students to reach maximum potential.
- Incorporating additional data sources such as MOOC courses, YouTube videos, Google Scholar papers to produce a broader recommendation set.

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: PL/SQL, Python (sklearn, pandas, PySpark, nltk), C, C#.Net, Java

Statistical Modeling Languages: R, SAS, SAS Enterprise Miner

Big Data Ecosystem: Map Reduce, Hive, Apache Spark

Database System: Oracle, MongoDB, SQLite, SQL Server 2008

Machine Learning: Classification, Prediction, Clustering, Feature Engineering

Visualization: Tableau, D3.js, Shiny, ggplot2

Certificates: Six Sigma Green Belt Certified, Google Analytics Certified

Available: June 2017