github.com/keyur9
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KEYUR DOSHI

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EDUCATION

Stevens Institute of Technology **Master of Science in Computer Science** **GPA: 4.0/4.0** **December 2016**

Selected Coursework: Data Mining, Web Analytics, Data Visualization Applications, Advanced Algorithms Design

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

WORK EXPERIENCE

Argus Information & Advisory Services **Data & Application Solutions Intern** **June 2016 – Present**

- Evaluating correlations among statistical data, identifying trends, summarizing findings across clients and products.

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

- Designed and implemented complex integrations for General Electric (GE P&W) enterprise level architecture.
- Tuned the performance to ensure integrity and security of Oracle Application R12.2.4 in ERP domain.
- 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 per year.

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.
- Incorporating additional data sources such as MOOC course, YouTube video, Google Scholar papers to produce a broader recommendation set.

Real Time Data Clustering **(R – Shiny – Mongo DB)** **December 2015**

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

Twitter Sentiment Analysis **(R – Python – SQLite)** **October 2015**

- Developed scripts for data retrieval and data cleansing of tweets during football matches using twitter API.
- Integrated a model to perform sentiment analysis of tweets.

ACADEMIC PROJECTS

Telling Stories with Tableau **(Tableau – Mapbox – D3.js)** **April 2016**

- Developed visualization for NYC Bike sharing trip data using Mapbox.
- Integrated D3.js to create twitter profile impression story.

Restaurant Review Classification **(Python)** **December 2015**

- Developed machine learning model to classify restaurant reviews and achieved accuracy of 86.8%.
- Implemented Machine Learning models: K-Nearest Neighbor, Logistic Regression, Multinomial Naive Bayes

Web Scraping **(Python)** **September 2015**

- Developed scripts to scrape data of product reviews from e-commerce websites.
- Implemented scripts using Beautiful soup, Selenium, lxml and compared execution time.

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 Certification (Nov 2013)
- Google Analytics Certificate (Dec 2014)