Subbrammanian Nochur Ganeswaran

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Portfolio: subbrammanian.github.io

EDUCATION

M.S. Mgmt. Information Systems (GPA: ***4.00***) **Texas A&M University**, College Station, TX **May 2017**

- ***Teaching Assistant:*** ETL, Data warehousing, Business Intelligence and Advanced Excel
- ***Coursework:*** Data management, IS Design, System Analysis and Design, Statistics, Engg. Data Analysis

B.S. Information Technology (GPA: ***3.61***) **Anna University,** India **Apr 2013**

- ***Coursework:*** Data Structures, Algorithms, Software Engineering, OOP, Network Programming

TECHNICAL SKILLS

Languages: Python, Java, R, JMP, SQL, T-SQL, Shell, JavaScript

Data Engineering: HDFS, Hadoop MapReduce, Data wrangling, Web scraping (using Python)

Machine Learning Algorithms: Regression, Classification, Clustering, Trees, Random Forest, NLP (using R)

Databases: Teradata, SQL Server, MySQL, MongoDB, PostgreSQL

Data Warehousing Tools: Informatica, SSIS, Tableau, ERWIN Data modeler

Web Development: Flask, HTML, CSS, Bootstrap, jQuery

EXPERIENCE

Software Intern **Vizient Inc.**, Irving, TX **Jun 2016 – Aug 2016**

- Designed and implemented a distributed framework using Python to extract and import hospital data from flat files to database; process completion time reduced by 300%
- Developed a testing and logging framework for the import process; reduced data load errors by 60%
- Automated Tableau Server administration tasks using Python and Tableau's REST API; saved 30+ hours/week
- Developed T-SQL stored procedures to dynamically generate ASP .NET hyperlinks for MSTR web dashboards

Software Engineer (Data) **Cognizant,** India **Aug 2013 - Jul 2015**

- Developed custom scalable ETL workflows to integrate data from disparate data sources to Sales and Marketing data marts; facilitated reporting and data analysis for Amgen Inc.
- Designed and developed a custom SQL query generator for clients' use; reduced manual work by 80%
- Refactored existing Python code with OOP design principles; increased reusability by 60%
- Automated data profiling and loading of ad-hoc source-files sent by users using Python**;** saved 20+ hours/week

PROJECTS

- **IMDB movies' storyline based Search Engine (2017):** Built a search engine that returns a list of movies based on keywords entered by indexing data from IMDbPY API. Used ***Python, Hadoop MapReduce, NLP*** (*Code*)
- **Udacity's forum data analysis (2017):** Visualized activity trends of an online forum by performing parallel processing on 300,000+ records of data. Used ***Python, Hadoop MapReduce, Tableau*** (*Code* | *Visualizations*)
- **Amazon Price Tracker (2017):** Developed a web application with user profiles to analyze fluctuations in price for a user-specified product and notify when price changes. Used ***Python, Flask, HTML, CSS, SQLite3*** (*Code*)
- **Online Study Helper (2016):** Developed a script to automatically save copied (Ctrl+C) content from web pages along with website link and store it in a document in cloud. Used ***Python, Google Drive API***
- **Potential Customer Prediction (2016):** Created market segments and developed predictive models to identify potential customers using demographic/personal data. Used ***R, k-Means, Logistic Regression*** (*Report*)