

Subbrammanian Nochur Ganeswaran

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Portfolio: subbrammanian.github.io

EDUCATION

M.S. Information Systems (GPA: 4.00)	Texas A&M University , College Station, TX	May 2017
<ul style="list-style-type: none">• Teaching Assistant: ETL, Data warehousing, Business Intelligence and Advanced Excel• Relevant Coursework: Advanced data management, IS Design, Advanced System Analysis and Design		
B.S. Information Technology (GPA: 3.61)	Anna University , India	Apr 2013
<ul style="list-style-type: none">• Relevant Coursework: Data Structures, Algorithms, Software Engineering, OOP, Network Programming		

TECHNICAL SKILLS

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

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

EXPERIENCE

Software Intern	Vizient Inc. , Irving, TX	Jun 2016 – Aug 2016
<ul style="list-style-type: none">• 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
<ul style="list-style-type: none">• 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](#))