

Naga Shrikanth Ammanabrolu

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EDUCATION

University of Illinois at Chicago, Chicago, IL

Dec 2016

Master of Science, Industrial Engineering – GPA: 3.5/4.0

University of Mumbai, Mumbai, India

May 2015

Bachelor of Engineering, Electronics Engineering – GPA: 61/100

WORK EXPERIENCE

Purch Group, Inc., New York, NY

Jun 2016 - Present

Data Analyst Intern

- Page Categorization: In charge of leading the 'Categorization of Purch Websites' project. Working on Building an algorithm to categorize the online digital publications and help establish a stronger foundation for analyzing each line of business under the Purch Group
- ETL Performance: Assisting on the 'ETL performance' project which will benchmark and compare the Purch Platform's ETL Processes by using Amazon Web Services
[Technologies: Python, R, Rapidminer, Amazon Redshift, Amazon Web Services, Tableau, Machine Learning, Natural Language Processing, MySQL, Apache Spark]

PROJECTS

Stock Market Risk Analysis using Python

- Developed a method using Bootstrap models and the Monte-Carlo Simulation method to analyze the risks associated with investing in technology company stocks like Apple, Amazon, Google, Microsoft and Tesla Motors.

Forecasting Inflation Rate in the United States using Time Series Analysis

- Developed a forecasting model using Time Series Analysis and ARMA Modeling to forecast Inflation rate in the United States. Used these models to forecast the Inflation rate and how CPI influences the inflation rate.
[Tools: R, SQL, Excel, Minitab]

German Credit Data Analysis (UCI Machine Learning)

- Analyzed the German Credit dataset with 1000 past credit applicants, described by 30 variables. Developed a predictive model using Machine Learning algorithms to determine if a new loan applicant presents a good or bad credit risk. [Tools: Rapidminer, Excel]

Movie Recommender System Data Analysis (Movie Lens)

- Analyzed MovieLens' dataset of 100,000 ratings arising from 943 users and 1682 movies to develop and evaluate a Recommender system using collaborative filtering, k-nearest neighbors, and matrix factorization methods.
[Tools: Rapidminer, SQL, Excel]

Text Mining and Topic Modeling Analysis of Job Postings on LinkedIn

- Analyzed 23,220 analytics-related job postings from LinkedIn from a 3-month period to perform text mining, clustering and topic modeling analysis on the collection of these documents. [Tools: Rapidminer, MALLET, Excel]

TECHNICAL SKILLS

Basics: Hadoop & MapReduce, Apache Spark, SPSS, SAS, Tableau, D3.js, C#, C++, PHP

Advanced: Python (Pandas, NumPy, Matplotlib, Scikit-learn, etc.), R Programming, Rapidminer, SQL, Julia programming, OpenSolver, HTML5/CSS3, jQuery, JavaScript, Time Series Analysis, Forecasting, Predictive and Exploratory Analytics, Machine Learning algorithms

RELEVANT COURSEWORK

Data Mining for Business, Time Series Analysis & Forecasting, Process Mining, Discrete Event Simulation, Operations Research I & II, Intro to Operations Management, Supply Chain Management, Ergonomics & Human Factors

ACCOMPLISHMENTS

- Successfully presented and published a Technical Paper at an International Conference on 'Gesture to Voice Command Glove for the Disabled'
- Named 'Young Technology Blogger to look out for in 2012' by PRNewswire
- Got mentioned by The New York Times, Kissmetrics and AllTopStories for my published articles on Technology, Startups and Entrepreneurship