

ANVITHA ANANTH

DATA SCIENTIST

CONTACT

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📍 Will be relocating to Bay Area/Seattle in Oct 2019
in <https://www.linkedin.com/in/anvithaananth/>
🌐 <https://github.com/anvithaananth>

SKILLS

Tools: Python (Pandas, Numpy, NLTK, MechanicalSoup), SQL, Advanced Excel, Power BI, Azure ML Studio, DAX
Statistical Analysis: Forecasting, Predictive Modeling, Text Analytics, Business Intelligence
Data Communication: Data Visualization, Automated Reports

PROJECTS

Converting Text into Predictors for Regression Analysis
Jun. 2019 to Present

Building a predictive model for rates on Airbnb Listings

- Most descriptions of Airbnb listings contain a mixture of numbers as well as text data. Building a predictive model using both text and numerical data will greatly improve the predictability of the model
- Word count and Word Correlation matrices are calculated. These are used to compute truncated Singular Value Decompositions (SVDs)
- The leading singular vectors of these compositions are used as regressors

Concepts used in this project - Linear Algebra, Linear Regression, Text Analytics (Word Count Matrix tf-idf, Word Correlation Matrix)

Tools - Python (Pandas, NLTK, Numpy)

EDUCATION

University of Texas at Dallas · May 2018
Masters Business Analytics
Deans Excellence Scholarship Fall 2016

Institute of Chartered Accountants of India · Nov. 2014
Chartered Accountant

EMPLOYMENT

Rackspace Inc

Austin, Texas

Data Scientist - Supply Chain · Jun. 2018 to Present

Inventory Holding Level Optimization

- Saved ~\$4 mil by reallocating inventory investment
- Calculated hardware defect rates and categorized hardware based on historical consumption patterns to improve accuracy of demand forecasts using SQL and Python (pandas)
- Built a comprehensive dashboard that displayed information across all stages in the procurement and inventory handling stage to identify areas of lag using SQL and Excel

Comprehensive Consolidated Product Offering Catalog

- Saved ~\$1.2 mil as internal requests were met using older gear that was available
- Built a product catalog by parsing suppliers' website, and mapped the same to the sales catalog using fuzzy text matching algorithms with Python (MechanicalSoup, NLTK, Levenshtein Distance)
- This enabled faster and accurate translation of hardware requirements from sales catalog to the inventory catalog and enabled re-use of old inventory

Supplier Performance Dashboard

- Built an automated supplier dashboard that tracked if suppliers were within contracted SLA and identified hardware components whose delivery was consistently delayed
- Enhanced planning and demand forecasting

Novartis

Fort Worth, Texas

Data Analyst Intern - Global Marketing ·

Sep. 2017 to Dec. 2017

- Built financial models in R involving leasing of surgical equipment to enable Alcon, Novartis's eye care division to be more competitively priced and appeal to a larger customer base
- Researched key attributes of each market segment to help analyse and structure offerings to appeal to end-users that are price sensitive

SunEdison Energy

Chennai, India

Analyst - Operations & Finance · Jan. 2015 to Apr. 2016

- Reduced operating expenses by \$2.5+ mil while coordinating with 4+ cross-functional teams to identify expenses and redundancies for which, strategies such as centralizing resources and optimizing existing resources, were pitched to leadership and approved
- Estimated, managed and performed risk analysis on the cash flows amounting to ~\$80 mil for 7+ Indian solar power plants to manage cash flow and track progress for their subsequent sale