PRANEETH BOMMA

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SUMMARY

*I am a proactive and fast learning graduate student with more than 2+ years of Academic and Professional experience in Data Analytics, proficient in **SAS**, **R**, **SQL**, **Python**, **Hive**, **MS Excel**, handling Teradata and have worked on Hadoop and Cloud platforms.*

EDUCATION

Master of Science in Information Technology(Advanced Data and Knowledge Discovery), GPA 4/4 **Jan 2017-May 2018"**

The University of North Carolina at Charlotte, North Carolina

Bachelor of Technology in Electronics and Communications,GPA 3.4/4 **Jul 2012-Aug 2016**

Jawaharlal Nehru Technological University – Hyderabad, India

TECHNICAL SKILLS

Programming:	SQL, Core Java, SAS, R, Python, Hive, Octave
BI/Analytics Tools:	MS Excel, Tableau,WEKA, Google Analytics
Big Data Frameworks:	Azure Machine Learning, Apache Spark, Hadoop MapReduce, Apache Hive, Tensor Flow
Packages and Libraries:	cluster, ggplot2, xgboost, pytorch, skmeans, tidytext, beatifulsoup, pandas, scikit-learn, numpy
Statistics/Machine Learning:	Linear/Logistic Regression, ANOVA, Cluster Analysis, PCA, NLP, Sentimental Analysis, LDA
Web Languages:	HTML5, CSS, jQuery, JavaScript, Node.js
Databases:	MySQL, Oracle SQL
IDE:	Eclipse, Webstorm, Microsoft Visual Studio
Cloud Services:	Amazon Web Services, Microsoft Azure, Google Cloud, Cloudera

PROFESSIONAL EXPERIENCE

DATA ANALYST INTERN, *Informative Technologies Inc, Charlotte, NC, USA* **Jan 2018 - Present**

- Implementing Web Scraping in Python to develop datasets from unstructured online sources, build APIs, and create open source end user applications from those APIs.
- Working on the database which helps the website to make it easy for the customers to donate computers and keep the track of the shipment
- Creating Entity relationship (ER) diagrams and develop database objects such as tables, views, indexes, triggers and stored procedures for a mobile application Lookit – a fashion app that allows the users to get opinions from their peers on outfits

ACADEMIC PROJECTS

Finding Surprising Documents on Online Health Information| Tools Used: *R*

- Developed a computational approach using R to identify "surprising" news from a news corpus related to diabetes
- Performed clustering analysis (K-Means, K-Medoid, SK-Means), PAM, cosine similarity, and word cloud operations on the diabetes text corpus

Techniques: Clustering, Cosine Similarity, PAM & Word Cloud.

Hire Heroes USA- Client Management| Tools Used: *SAS, R, Excel and Tableau*

- Applied Big Data and Analytics techniques to help a non-profit organization HHUSA, better understand and optimize factors that affect their client management process, staff activities and the employment opportunities offered to veterans
- Text mining was used to generate features and predictive modelling techniques were used to model the quantities of interest

Techniques: Exploratory Data Analysis, Predictive and Regression Analysis, Text Mining, Decision Trees, Tableau Visualization.

An Electronic Medical Record for an Outpatient Clinic| Tools Used: *MySQL*

- Designed and developed a complete OLTP database for an Outpatient Clinic that can efficiently store, retrieve, manipulate, and query records
- Implemented Authentication and Role based access control to all the data tables & used views and indexes for easy data access

Techniques: UML,ER Diagrams, User Authentication, Stored Procedures, Triggers, Views.

Indexing Wikidumps on Cloud Platforms| Tools Used: *AWS, MS Azure, Google Cloud*

- Implemented ELK Stack on Google Cloud Platform and Amazon Web Service and SOLR on Microsoft Azure
- Designed a Chatbot that allows users to have easy interactions and for fast retrieval of Wiki documents using ELK Stack and SOLR

Technologies: Elasticsearch, Logstash, Kibana, SOLR, Deep Neural Network

Twitter Text Analysis – Movie Success| Tools Used: *Python, Tweepy API, NLTK*

- Tweets crawled using the Tweepy API in Python were pre-processed to create a corpus for analysis using NLTK module.
- Performed sentiment analysis & created a tag cloud of top 50 words in the tweets to understand the audience sentiments about the movie.

Techniques: Web Scraping, Word Cloud, Sentiment Analysis.