

PRANEETH BOMMA

DATA SCIENCE GRADUATE

OBJECTIVE

Seeking a full-time position in the field of Data Science and Analytics with 2 years of Academic and Professional Experience in Data Science

EDUCATION

University of North Carolina at Charlotte

GPA: 4/4

Master of Science: Information Technology

JANUARY 2017 - MAY 2018"

- Business Intelligence and Analytics
- Advanced Business Analytics
- Knowledge Discovery from Databases
- Applied Databases
- Cloud Data Storage
- Algorithms and Data Structures

Jawaharlal Nehru Technological University, Hyderabad, India

GPA: 3.4/4

Bachelor of Engineering: Electrical and Electronics

JUNE 2012 - AUGUST 2016

- C Programming and Data Structures
- Object Oriented Programming using Java
- Computer Networks
- Database Management Systems
- Operating Systems

EXPERIENCE

Informative Technologies Inc, Charlotte, NC, USA

Data Analyst Intern

JANUARY 2018 - MAY 2018"

- 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

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
 - 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.**

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**

TECHNICAL SKILLS

Programming Languages

R, SQL, SAS, Python, Java, C

Big Data Frameworks

Azure Machine Learning, Apache Spark, Hadoop Map Reduce

BI/Analytics Tools

MS Excel, Tableau, Google Analytics, Kibana

Statistics/Machine Learning

Regression, Classification Models, Deep Learning, ANOVA, Text Analysis, Bayesian Statistics, TF-IDF, Time-series analysis

Database IDE

MySQL, Oracle SQL , SQL /PL

Cloud Services

Amazon Web Services, Google Cloud, Microsoft Azure, Digital Ocean

Libraries (R, Python)

caret, forecast, glmnet, ggplot2, Pandas, Scikit-Learn, Numpy, Tensor Flow, H2O, Matplotlib, Pytorch

AREAS OF INTEREST

Machine Learning

Data Science

Deep Learning

Artificial Intelligence

CERTIFICATIONS

Coursera

R Programming
SQL for Data Science
Getting and Cleaning Data

Google Analytics Academy

Google Analytics Individual Qualification
Google Analytics for Beginners
Advanced Google Analytics

LINKS

<http://www.praneethbomma.com/>

<https://www.linkedin.com/in/pbomma/>

<https://github.com/pbomma>

BIODATA

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