PRANEETH BOMMA

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Graduate student seeking a full-time position with 2 years of Academic and Professional experience in Data Science & Analytics

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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 3.5/4   **Jul 2012 - Aug 2016**
Jawaharlal Nehru Technological University – Hyderabad, India

TECHNICAL SKILLS

Programming:	SQL, R, Python, Core Java, SAS
BI/Analytics Tools:	MS Excel, Tableau, WEKA, Google Analytics
Statistics/Machine Learning:	Regression, ANOVA, Clustering, PCA, NLP, Sentimental Analysis, LDA, Bayesian Statistics, Random Forest, Time-series analysis
Web Languages:	HTML5, CSS, jQuery, JavaScript
Databases:	MySQL, Oracle SQL
IDE:	Eclipse, Microsoft Visual Studio
Cloud Services:	Amazon Web Services, Microsoft Azure, Google Cloud

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PROFESSIONAL EXPERIENCE

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

- Created Entity relationship (ER) diagrams and developed database objects such as tables, views, indexes, triggers & stored procedures for a fashion industry based start-up inspired by design concepts from Pinterest, Instagram, and Tinder.
- Applied query optimisation techniques for tuning the query by creating indexes to improve the Query & System performance.
- Queried data for analysis from high relational databases by writing complex SQL queries. Processed and verified the integrity of data used for analysis, came up with ad-hoc reports on daily basis and presented the data in charts, graphs and tables.
- Identified data quality issues and used MS EXCEL to audit data using pivot tables, vlookup, formulas, conditional formatting across all the file types. Performed the batch processing of data, designed the SQL scripts, control files, batch file for data loading.
- Involved in various phases of Software Development Life Cycle (SDLC) and Agile/Scrum methodologies including Analysis, Design, Testing, Implementation and Maintenance. Experienced in AWS services like EC2, RDS and S3.

ACADEMIC PROJECTS

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

- Developed a computational approach using R by applying association mining, text modelling, and machine learning techniques 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. Wrote Triggers and Stored Procedures to capture updated and deleted data from OLTP systems.
- 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.

CERTIFICATIONS

- Mastering Data Analysis in Excel, SQL for Data Science, Getting and Cleaning Data, R Programming, Google Analytics Individual Qualification, Advanced Google Analytics, Java SE6 Programmer