

Pranav Suresh Magadi

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Professional Summary

- MIS graduate with experience in data analytics, data science and healthcare domain
- Proficient in Data Analysis, Consulting, SQL, R, Python, Tableau, Statistical analysis, Predictive modeling and Machine learning
- Proactive learner and a team player with excellent communication, presentation and project management skills

Educational Qualifications

- **University of Illinois at Chicago (UIC)**, Master of Science in Management Information Systems, GPA 3.89/4.0 **Aug'18 - Dec'19**
- **BNM Institute of Technology**, Bachelor of Engineering in Computer Science, GPA 3.3/4.0 **Aug'12 - Jun'16**

Technical Skills

Analytical/Data Viz. Tools: R, Excel, Python, Tableau, GCloud

Machine Learning Algorithms: Bagging, Boosting, Naïve Bayes

Productivity Tools: MS Office, Oracle Middleware tools, Visual Studio

Programming: SQL, JavaScript, Java, HTML

Database Tools/Concepts: MS-Access, MS-SQL

Statistical Techniques: Anova, Hypothesis testing, Chi-sq

Professional Experience

Data Scientist Intern, Blue Rock Healthcare IT, Chicago, IL, USA | R, Microsoft Excel, Python, Tableau **Jun'19 - Present**

- Published comparative dashboards for physicians/practices aiding in identifying 4 cost-saving opportunities
- Simulated target price and expenses tied to treatments using monte-carlo simulation to assist a practice with risk-sharing options
- Implemented data pipeline for data extraction, loading, transformation, report generation and analysis solutions for 5+ clients

Technical Intern, UChicago-Center for Translational Data Science, IL, USA | R, Excel, Python **Jul'19 - Present**

- Utilized geospatial data (NASA GOES-R satellite NETCDF files/ US Forest Department fire event shapefiles) for data exploration
- Developed a machine learning model to predict fire at 80% precision based on 16-channel information such as RGB and vegetation
- Applied techniques such as resampling, synthetic sampling and adjusting threshold for classification to address class imbalance

Project Intern, GSG Consultants, Chicago, IL, USA | R studio, Microsoft Excel, Text Mining **Sept'18 - Dec'18**

- Performed sentiment analysis of 20,000+ competitor's tweets to identify words/phrases used to generate higher engagement
- Designed social media marketing strategy based on frequency and content that helped GSG increase customer engagement by 40%

Application Development Associate, Accenture Solutions, Bangalore, India | SOA, OSB, SQL, Data Analysis **Nov'16 - Jun'18**

- Developed SOA web services responsible for receiving the orders, invoice, receipts, bank details
- Worked on transforming/enriching the data and orchestrate the data to the ERP system in form of File/DB
- Involved in accommodating CR's, preparing technical design document and error reports analysis by extracting data using SQL

Academic Projects

Multi-label text classification model to address the opioid epidemic (Excel, R, Tableau, Python, AutoML, NLP) **Mar'19**

- Devised a multi-label text classification model that is capable of identifying users, sellers, awareness, and news of opioids
- Implemented transfer learning method on 100k+ tweets to achieve classification accuracy of 88%

Text mining and sentiment analysis of user-review data from Yelp (Excel, R, Text Mining, Sentiment Analysis, NLP) **May'19**

- Applied text mining techniques on 50,000+ yelp restaurant reviews to extract sentiment polarity
- Support vector machine was employed to classify reviews that were tokenized and lemmatized with no stop words

Screening tool which identifies patients who are likely to develop Chronic Kidney Disease (Excel, R) **Feb'19**

- Implemented logistic regression algorithm on 8,000 patient records to predict the likelihood of developing chronic kidney disease
- Model can be implemented in hospitals to avoid prescribing CKD test on patients with no likelihood and reduce healthcare costs

Developing a data mining model to improve the cost-effectiveness of direct marketing campaign (Excel, R) **Feb'19**

- Cleaned and analyzed over 50,000 records across 150 attributes
- Implemented PCA to reduce the dimensionality, techniques to account for model biasness
- Developed classifier using random forest and SVM to identify donors that are to be targeted for marketing campaign

Visualizing on-Time Performance of United Airlines (Tableau, Business Statistics, Excel) **Sept'19**

- Analyzed Bureau of Transportation Statistics airline data set to identify metrics that report On-time Performance of United Airlines
- Implemented stories, dashboards, LOD expression to extract actionable insights and perform competitive analysis
- Recommended routes that will generate high profit and possible growth opportunities for United airlines based on network maps

Awards and Extra-Curriculars

- Secured Gold Medal in Photography at the 15th VTU Utsav 2014-15 held at Visvesvaraya Technological University, Belagavi
- Teaching Assistant for Introduction to Management Information Systems course under the IDS department for Spring 2019 term