PRANAV SURESH MAGADI

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- Analytical data scientist with 2+ years of relevant academic and practical experience within the emerging machine learning space
- Proficient in Consulting, SQL, R, Python and Tableau
- Proactive learner and a strong team player adept at delivering innovative, reliable, cost-saving solutions that drive business growth
- Motivated, detail oriented, and hands-on with a proven reputation reflecting strong leadership abilities, work ethic and communication skills that contributes to a high performing team culture

EDUCATION

Master of Science (M.S.) - *Management Information Systems*, University of Illinois at Chicago *(GPA: 3.89)* **08/2018 - 12/2019**

Bachelor of Engineering (B.E.) - *Computer Science*, BNM Institute of Technology, Bangalore, India *(GPA: 3.3)* **2012 - 2016**

CORE COMPETENCIES

- Statistics
- Reporting
- Data Visualization
- Research
- Data Analytics
- Healthcare Analytics
- Data Science
- Predictive Models
- Machine Learning
- Quantitative Analysis
- Project Management
- Business Intelligence

TECHNICAL PROFICIENCIES

Programming/Scripting: Python, R, SQL, JavaScript, Java, HTML
Analytical/Data Viz. Tools: Tableau, PowerBI
Productivity Tools: MS Office, Oracle Middleware tools, Visual Studio
Database: MS-Access, MS-SQL/Server
Statistical Techniques: Anova, Hypothesis testing, Chi-sq
Cloud Platform: Google Cloud Auto-ML

EXPERIENCE HIGHLIGHTS

Data Scientist Intern, Blue Rock Healthcare It, Inc., Chicago, IL | *R, Excel, Python, Tableau* **6/2019 - Present**

- Implemented data pipeline for ETL, report generation and analysis solutions for 5+ clients associated with oncology care model
- Published dashboards showcasing 4 cost-saving opportunities costing practice $100K+ while also providing analysis on individual physician expenditures for 17 different segments such as drugs, ER visits, hospitalization, etc.
- Simulated target prices & cost of treatments using monte-carlo technique improving risk-sharing decision making for practices

Data Science Intern, UChicago-Center for Translational Data Science | *R, Python, Image Processing* **7/2019 - Present**

- Built random forest model able to predict fire with 80% precision based on 16 variables including vegetation, water-vapor, etc.
- Utilized geospatial data such as NASA's GOES-R satellite NETCDF files and US Forest Department fire event shapefiles
- Mitigated class imbalance by resampling, generating synthetic samples, & identifying classification thresholds using ROC curves.

Data Analyst Intern, GSG Consultants, Chicago, IL | *R, Excel, Twitter Analytics, Text Mining* **9/2018 - 12/2018**

- Performed sentiment analysis of 20,000+ competitor's tweets to identify words/phrases used to generate higher engagement.
- Researched competitive landscape on social media platforms evaluating post frequency, time of posts, likes, retweets, etc.,
- Delivered strategic recommendations to client on how to enhance online presence increasing customer engagement by 30%.

Middleware Application Developer, Accenture Solutions, India | *Oracle Middleware, Excel, SQL, Data Analysis* **11/2016 - 6/2018**

- Developed SOA web services responsible for receiving 800+ orders, invoices, receipts, and bank details.
- Produced technical design document and error reports analysis by extracting data using SQL helping speed up bug fixes by 20%.

ACADEMIC PROJECTS **08/2018 - 12/2019**

Multi-Label Text Classification Model | *Excel, R, Tableau, Python, Google AutoML, Natural Language Processing (NLP)*

- Devised text classification model with 4 labels capable of identifying consumers, sellers, education/news associated with opioids.
- Trained classifier using transfer learning and extracted insights including location and tweet frequency of users and sellers
- Analyzed 160K+ tweets resulting in ability to identify users, sellers, news, education/awareness tweets with 91% precision.

Text Mining and Sentiment Analysis | *Excel, R, NLP*

- Analyzed sentiment dictionaries and evaluated classification models helping predict sentiment polarity of 50K Yelp reviews
- Achieved 84% accuracy with support vector machine after tokenization, stop-words removal, lemmatization, & sentiment analysis.

Regression Modeling | *Excel, R*

- Produced screening tool identifying probability of developing chronic kidney disease with an 86% precision rate cleaning data, conducting exploratory data analysis (EDA), & performing transformation and logistic regression modeling on 5K patient records.
- Model can be implemented in hospitals to avoid prescribing CKD test on patients with no likelihood and reduce healthcare costs.

Data Mining / Classification & Predictive Modeling | *Excel, R*

- Improve cost effectiveness of direct marketing campaign for national veteran's organization with over 60K donors
- Built random forest, SVM & boosting algorithm able to predict donor/non-donor & expected donation amount with 90% accuracy.
- Introduce feature selection and dimensionality reduction techniques on large dataset of 60K records and 150 attributes.