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 Python, R, SQL, Tableau and Consulting
- 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
Productivity Tools: MS Office, Oracle Middleware tools, Visual Studio
Statistical Techniques: Anova, Hypothesis testing, Chi-sq
Analytical/Data Viz. Tools: Tableau, RapidMiner, PowerBI
Database/Big Data: MS-Access, MS-SQL/Server, Spark
Cloud Platform: Google Cloud AutoML

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. associated with Medicare claims
- 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, Agile* **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, XML, 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 extracted using REST API resulting in ability to identify users, sellers, & other labels with 91% precision

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

- 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, Python*

- Produced screening tool identifying probability of developing chronic kidney disease with an 86% precision rate by cleaning data, conducting exploratory data analysis (EDA), performing transformations & applying logistic regression on 5K patient records
- Model can be implemented in hospitals to validate prescription of CKD tests on patients and reduce healthcare costs

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

- Improved cost effectiveness of direct marketing campaign for national veteran's organization with 60K donors
- Built ML model using random forest & SVM that predicts donor/non-donor & expected donation amount with 90% accuracy
- Introduced feature selection and dimensionality reduction techniques on large dataset of 60K records and 150 attributes