PRANAV SURESH MAGADI

Chicago, Illinois · (312) 721-2956 · psures6@uic.edu · linkedin.com/in/pranav-suresh-magadi · https://psureshmagadi17.github.io

Analytical data scientist with relevant academic and practical experience supporting key growth initiatives within the emerging machine learning space. Known as a strong team player adept at delivering innovative, reliable, cost-saving solutions and strategies that streamline processes and drive business growth in highly regulated environments. Motivated, detail oriented, and hands-on with a proven reputation reflecting strong leadership abilities that contributes to a high performing team culture. Highly praised for work ethic, problem-solving and communication skills.

CORE COMPETENCIES

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

TECHNICAL PROFICIENCIES

Analytical/Data Viz. Tools: R, Excel, Python, Tableau, GCloud
Programming/Scripting: SQL, JavaScript, Java, HTML
Machine Learning Algorithms: Bagging, Boosting, Naïve Bayes
Database Tools/Concepts: MS-Access, MS-SQL/Server
Productivity Tools: MS Office, Oracle Middleware tools, Visual Studio
Statistical Techniques: Anova, Hypothesis testing, Chisq

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
- Publish 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.
- Simulate target prices and expenses associated with treatment improving risk sharing decision making for practices.

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

- Build machine learning model able to predict fire with **80%** precision based on **16** variables including vegetation, water-vapor, etc., utilizing geospatial data such as NASA's GOES-R satellite NETCDF files and US Forest Department fire event shapefiles.
- Mitigate class imbalance by resampling, generating synthetic samples, and 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., delivering to client strategic recommendations on how to enhance online presence as well as tune-up suggestions for website.

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

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

- Devise text classification model with **4** labels capable of identifying consumers, sellers, education & news associated with opioids.
- Train classifier using transfer learning and extracted insights including geographic locations and tweet frequency of users and sellers analyzing **160K+** tweets resulting in ability to identify users, sellers, news, education/awareness tweets with **91%** precision.

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

- Analyze different sentiment dictionaries and evaluated classification models helping predict sentiment polarity of **50K** Yelp restaurants reviews dataset with **84%** accuracy utilizing tokenization, stop words removal, lemmatization, and sentiment analysis.

Regression Modeling | *Excel, R*

- Produce screening tool identifying probability of developing chronic kidney disease with an **86%** precision rate by 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 building random forest, SVM & boosted trees model able to predict donor/non-donor and expected donation amount with **90%** accuracy.
- Introduce feature selection and dimensionality reduction techniques on large dataset of **60K** records and **150** attributes.

EDUCATION

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

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