**ABHILASH CHENREDDY**



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Graduate student with 2+ year of data science consulting & teaching experience looking for full time opportunities starting Dec’18. As a consultant at Capgemini, I excelled in the client facing role where I have provided data-driven business insights to fortune 500 clients.

**EDUCATION**

**University of Illinois at Chicago**, Chicago, IL *Aug 2017 - Dec 2018*

*Master of Science, Business Analytics (Data Science) (****CGPA: 3.93****)*

**Birla Institute of Technology and Sciences**, Pilani Campus, India *Aug 2012 - May 2016*

*Bachelor of Engineering (Hons.) Mechanical Engineering*

**Undergraduate Thesis***: Green Supply Chain operations drivers dependability analysis using ISM & Fuzzy MICMAC method.*

**WORK EXPERIENCE**

**NORC labs** *Chicago, IL*

**Position: Data science Project Intern** *Aug 2018 - Present*

* Leveraged Natural Language processing techniques and solid working knowledge of Python, R in gathering and cleaning unstructured NORC bids data.
* Building detailed analysis and reports using SQL and Tableau to communicate the forecast results to the client.
* Led the team of 4 from UIC to coordinate with client to develop metrics to provide solutions to their business needs

**Qooley LLC** *Chicago, IL*

**Position: Artificial Intelligence Intern** *June 2018 – Sept 2018*

* Played vital role in the designing and development of chatbot for Qooley app using AWS lex and integrated with Postgre SQL database
* Developed KNN based collaborative recommender system to tackle the cold start problem, predicted with greater than 90% accuracy
* Supported the AI team in developing AI architectures and ER data management model for chatbot.

**University of Illinois, Chicago** *Chicago, IL*

**Position: Teaching Assistant** *Aug 2017 – May 2018*

* Managed a student load of 100 of Business Statistics II where I managed, reported and monitored student progress resulting in 94.8% passage rate, an increase of about 2% from previous years.
* Taught analytics concepts using statistical software tools like Minitab & Advanced Excel and received highly favourable reviews

**Capgemini India** *Navi Mumbai, IND*

**Position: Consultant** *July 2016 - July 2017*

* Developed Defect forecasting model using ARIMA to schedule the product releases, greatly shortening the release cycle
* Developed rule-based models for test case selection and prioritization to optimize resource utilization. For a server manufacturing client, about 63% test cases were deprioritized resulting in 73% effort saving
* Built a regression forecasting model in R for an energy client to predict the power load on the plant. The process is automated by deploying the analytical model in SPSS.

**TECHNICAL SKILLS**

**Machine Learning &** Linear and Logistic Regression, Segmentation, Clustering, Time Series Analysis, Supervised and

**Analytical skills** unsupervised learning, Neural Networks, Decision Trees and Random Forest classifiers. PCA,

Regularization, Recommendation System, PVA, LDA, Text mining, Natural language processing

Predictive Analytics, Naïve Bayes, LASSO, A/B testing experiments, Hypothesis testing

**Statistical analysis /**

**Business Intelligence (BI) Tools** R, SAS, Microsoft Excel, VBA, Microsoft SQL SSRS, Tableau

**Databases / Big Data** SQL, Big Data / NoSQL frameworks, Spark, Hadoop (MapReduce), Pig, Hive

**Scripting Language** Python (Tensor Flows, Keras, pytorch), MATLAB, Django framework

**ACADEMIC PROJECTS**

**Predicting earning manipulators (Random forests, Boosting, Logistic regression, Decision Trees)**

* Improved data quality by treating class imbalance using SMOTE method, implemented various data mining methods
* Tuned the parameters in the above methods using K-fold cross validation to achieve an accuracy of 87%.

**Airline’s performance Visualization & recommendations based on visual evidence (Tableau, NodeXL)**

* Using tableau, an overview of an airline’s business performance metrics was plotted and analyzed using various visualizations.
* Recommendations were devised for the airline to improve performance compared to others, based on visual evidence.