SRUTHI REDDY NARAPAREDDY

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EDUCATION

University of Illinois at Chicago   Master of Science in Business Analytics (*GPA: 3.75/4*)   Dec 2020

BITS PILANI Hyderabad Campus   Bachelor of Engineering, Chemical Engineering (*GPA*: **8.04/10**)   May 2016

EXPERIENCE

University of Illinois at Chicago – *Chicago, Illinois*
Data Analyst- Student Affairs Technology   Oct 2019 – Present
- Developed interactive Tableau dashboards to assess student participation and measure success of various events
- Generated Ad-hoc reports using SQL by connecting to disparate data sources

Teaching Assistant   Sep 2019 – May 2020
- Assisted professor with IDS 200-Introduction to Management and information systems
- Conducted lab sessions on SQL, EXCEL, ACCESS, HTML, CSS, JS for over 80 students and extended assistance through office hours

ORACLE Financial Services Software Ltd – *Bengaluru, India*
Applications Developer 2   June 2019 – Jul 2019
- Supervised the support of SWIFT Messages and also performed necessary feature modifications in Oracle Banking Payments (OBPM) Application

Applications Developer 1   Nov 2016 – May 2019
- Using PL/SQL, performed data manipulation on custom made tables in Oracle DB that are seamlessly linked to the front end of a complex banking application
- Proactively made modifications to the front end of the application using Oracle FLEXCUBE ODT to increase the user friendliness of the application interface.
- Created an Automation framework using Java and Selenium for quality analysis of FCUBS which reduced the testing time of the product by 50%
- Developed new features in OBPM using Java, SQL, JPA to enhance cross border payments and swift messages

INTERNSHIPS

JSW Steel Limited – *Vijayanagar, India*   May 2014 - Jul 2014
- Developed a 1-Dimensional mathematical model using advanced computation technique- finite difference method, and validated the simulation results with data from past 5 years using multiple features of excel

ACADEMIC PROJECTS

Image classification using Resnet18 | Python   Spring- 2020
- Predicted the hand-drawn digit images of CIFAR dataset with an accuracy of 92% using deep CNN (Pytorch) architectures and of MNIST dataset with 97.24% (Keras)

Sentimental Analysis | Python| NLP   Spring- 2020
- Performed sentiment analysis on Amazon Twitter data using TF-IDF and logistic regression in python (Sci-kit Learn) and achieved a 70% accuracy with 88.6% recall

Recommendation system | Python   Spring- 2020
- Built a movie recommendation system using Alternating least squares optimizer with Matrix factorization algorithm using Python with 0.912 RMSE

Customer Engagement Analysis (VMWARE) | R   Fall- 2019
- Built a classification model to predict customer behavior using ensemble techniques such as Random forest (RF) and XGBoost (on imbalanced data) with 98.9% recall
- Performed feature selection from 700 columns using RF and LASSO after applying SMOTE to balance the data

Analysis of Airline On-Time Flight Performance | Tableau   Fall- 2019
- Created an interactive Tableau dashboard which highlighted the key features of Envoy airlines and compared delay performance with their competitor and provided recommendations to increase their on-time performance

ADDITIONAL INFORMATION

Achievements: Merit cum need scholarship award in all 8 semesters during undergraduate studies
Technical Skills: SQL, Python, Pytorch, scikit-learn, pandas, keras, matplotlib, R, ggplot2, Tableau, MapReduce, Excel, Java, PL/SQL
Modeling/Statistics skills: A/B testing, Random forest, XGBoost, Lasso, Ridge and Logistic Regressions, Decision Trees, KNN, PCA, Linear discriminant analysis, ALS collaborative filtering, Matrix factorization
Coursework: Data Mining, Machine Learning, Advanced Predictive Modelling, Advanced Text Analytics, Analytics for Big Data, Advanced DBMS, Business Data Visualization, Revenue Management, Operations Management