

KRISHNA GOLLAPUDI

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Data Science Graduate seeking full-time opportunities in **Data Science & Analytics** field with proficiency and hands-on experience in **Python, R and SQL**.

EDUCATION

Master of Science: IT (Advanced Data Knowledge Discovery)

Jan 2017 - May 2018

University of North Carolina at Charlotte – Charlotte, North Carolina

Bachelor of Engineering: Electronics and Communications

Aug 2011 - May 2015

Osmania University – Hyderabad, India

WORK EXPERIENCE

DATA SCIENTIST INTERN, ProLytics LLC, Charlotte, North Carolina, USA

Jan 2018 - Present

- Perform advanced statistical analysis and predictive analytics on MLB, NBA Draft data (3 years of NBA data) and NCAA college stats
- Develop Long short term memory(LSTM) recurring neural network to predict the best players to be drafted for an upcoming game
- Develop Machine Learning algorithms to predict the players and their match up analysis based on their position, historical nba data
- Data wrangling of MLB data and predictive analysis on performance of each player in future matches

Technologies: Python, Jupyter Notebook, H2O, XGBoost, LSTM RNN, Cosine Similarity, Classification Models

DATABASE DEVELOPER, Accenture, Hyderabad, India

Mar 2016 - Dec 2016

- Worked as an Associate Software Engineer with Global Resource Management project for client: Microsoft with Agile methodology
- Modified the web test scripts according to the API changes and created pipelines in Azure Data Factory(ADF), SQL Jobs
- Executed constant/load tests in azure which included performance monitoring, performance test analysis, performance tuning

Technologies: SQL Server Management Studio, Microsoft Visual Studio, Microsoft Azure, C#

SYSTEMS ENGINEER TRAINEE, Infosys Limited, Mysore, India

Jun 2015 – Nov 2015

- Trained on PYTHON, JAVA and web technologies like HTML, CSS3, JavaScript
- Trained and developed a SQL Database system for an internal Business Enterprise Application

Technologies: Python, Oracle SQL, Java

PROJECT WORKS

Predict Housing Prices – Kaggle competition | Tools Used: Python, Tableau

- Achieved an accuracy of 85 percent predicting housing prices of King county housing data using ensemble model Gradient Boosting.
- Performed exploratory data analysis, feature scaling, k-fold cross validation and grid search to achieve the most approximate prediction.

Techniques Used: Feature Scaling, k-fold, Gradient Boost, Grid search

Surprising Discoveries for Online Health Information | Tools Used: R, SAS, Python, Jupyter Notebook

- Developed a computational approach using R to identify “surprising” pattern from a news corpus related to diabetes
- Applied the unsupervised machine learning techniques to achieve the surprise element from the given text corpus of 10000 documents

Techniques Used: Clustering, Cosine Similarity, PAM & Word Cloud.

Hire Heroes USA Client Management | Tools Used: SAS, R, Excel and Tableau

- EDA for Data Insights and Logistic Regression, Decision Tree were performed at each stage to improve the process of hiring
- Text mining was used to generate features and predictive modelling techniques were used to model the quantities of interest

Techniques Used: Exploratory Data Analysis, Predictive Analysis, Regression Analysis, Text Mining, Decision Trees, Tableau Visualization.

Movie Recommendation Search Engine | Tools Used: R, Tableau, Shiny

- Developed a collaborative filtering recommender (CFR) system for recommending movies to users based on genre
- The Similarity Calculation Method was based on Cosine Similarity and the Nearest Neighbors was set to 30

Techniques Used: Association Rule Mining, Cosine Similarity.

An Electronic Medical Record for an Outpatient Clinic | Tools Used: MySQL

- Designed and developed a OLTP database for an Outpatient Clinic that can efficiently store, retrieve, manipulate, and query records.
- Implemented Authentication and Role based access control to all the data tables & used views and indexes for easy data access.

Techniques Used: UML, ER Diagrams, User Authentication, Stored Procedures, Triggers, Views.

TECHNICAL SKILLS

Programming:

Python, R, SQL, Java, SAS, Hadoop, Spark

Packages and Libraries:

cluster, keras, xgboost, Convolution2D, tidytext, pandas, scikit-learn, tensor flow, matplotlib, dplyr

BI/Analytics Tools:

MS Excel, Tableau, WEKA, MS PowerPoint

Statistics/Machine Learning:

Regression, Deep Learning, Rule Mining, PCA, LDA, ANOVA, NLP, Decision Trees, Text Analysis, TF-IDF

Database IDE:

MySQL, Oracle SQL, SQL Server Management Studio, NoSQL, Teradata

Cloud Services:

Microsoft Azure, Amazon Web Services, Google Cloud, Digital Ocean

Development Methodologies:

Agile, Scrum, Waterfall