**PRAGNA YELAMANCHILI**

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**SUMMARY**

* A Data Science enthusiast with over **2 years** of **academic** and **2.5+ years** of **industrial** experience in **Data Analytics**, **Machine Learning** and **Software Development**.
* Proficient knowledge in **Mathematics** and **Statistics** with excellent understanding of **Sentiment Analysis, Survival Analysis, Donor Analytics, Predictive Analytics** and **Text Analytics.**
* Worked as **Data Analyst Intern** with **Continental Tires** while enrolled in master’s program.
* Exposure to working in **CMMI Level 5** company, **Accenture Solutions Pvt. Ltd.**
* Extensive hands-on experience in using a broad range of data science programming languages and bigdata tools including **Python, R, Tableau, SQL, Excel.**
* Working knowledge of **Agile, Scrum Methodology** and **Waterfall model** in project development
* Skillful and precise in providing status reports to the team such as process improvement and connecting with clients in order to resolve the business issues.
* Won first prize in **two** **Data Science Hackathons** organized by Red Ventures and American Tire Distribution.
* **Certified Business Analyst**.

**TECHNICAL SKILLS**

* **Data Science:** Linear Regression, Classification, Logistic Regression, Decision Trees, Random Forests, SVM, Hypothesis Testing, K-NN, K-Means Clustering, Text Analysis, Sentiment Analysis, Time Series Analysis, Survival Analysis, A/B Testing, Numpy, Matplotlib, Sckit-learn, Pandas, Scipy
* **Languages:** Python, R, C/C++, SQL, SAP ABAP, S4/HANA, HTML, CSS
* **Tools:** R Studio, Weka, Tableau, Microsoft Power BI, Anaconda, Jupyter Notebook, XLMiner, MySQL, PostgreSQL, GitHub, Microsoft Excel, Microsoft Visio

**WORK EXPERIENCE**

**Data Analyst Continental Tire the Americas, LLC January 2019 – May 2019**

Analyzed and tracked reports on Key Performance Indicators like Employee Attrition, Retirement, Gender Diversity and communicated the people analytics through tables, graphs and provided recommendations based on the findings.

* **HR Predictive Modelling:** Fetched employee data from the server, cleaned, pre-processed and analyzed the attrition rate. Created Dashboards using Tableau for analysis and predictions. This has helped in lowering the attrition rate by 5%
* **Gender Diversity Analysis:** Interpreted and analyzed the metrics of male to female ratio in various Employee subgroups using statistical techniques like Excel, Tableau and other analytics tools.
* **Retirement Analysis:** Identified the trends in the data of employees begin retired in various Employee Subgroups. Predicted the count for the next half decade using Python and created the dashboards using Tableau

**Application Development Analyst Accenture Solutions Pvt. Ltd. July 2015 – Dec 2017**

Developed ABAP Reports, Smartforms, Scripts, IDOCS with SAP-ABAP and implemented object-oriented programming techniques.

* Delivered status reports of the inbound and outbound IDOCs, supported the business modules of SAP like FI, SD and MM by creating Complex Interactive ALV Reports, Smartforms, Scripts for various clients like Daimler, Carlsberg, Ferrero.
* Scrutinized metrics using SQL to communicate results to Sales, Supply Chain, Logistics and Materials Management Teams.
* Used SQL queries for developing the user interface for the application of Sales backorder in SAP ABAP
* Analyzed the business needs and suggested on the improvisation requirements for developing the processes of application. Discussed the requirements with fellow developers to guide them through the right procedure of development
* Performed scientific work associated with the analytical, statistical, and programming skills to collect, analyze, and interpret large data sets and developed data-driven solutions to difficult business challenges
* Analyzed IDOC details data that are to be solved and gave insights to the Daimler client regarding information on the job failures and helped the team in rectifying them.

**EDUCATION**

**University of North Carolina Charlotte, NC • January 2018 – May 2019**

* Master of Science in Information Technology **GPA: 3.9/4**
* Relevant classes: Applied Databases, Machine Learning, Knowledge Discovery and Databases, Big Data for Computational Advantage, Advanced Business Analytics

**Jawaharlal Nehru Technological University Hyderabad, India • August 2011 – May 2015**

* Bachelor of Technology in Electrical and Electronics **GPA: 7.7/10**

**ACADEMIC PROJECTS**

## Sentiment Analysis of Twitter Data:

* Developed unigram, bigram, trigram features for the text data. Used Machine Logistic Regression in Python. Also tested the model for the blind set on the tweets that tagged trump during the time of elections.

## Prediction of Tire Dismount Reasons and Finding:

* Preprocessed the data given by Continental Tires, and implemented the Random Forest algorithm to predict the reason and findings for the Tire Dismount

## Teradata Challenge (Donor Analytics):

* Provided a solution to the business Question, if the donors would be actively donating after one year or not. Implemented Kaplan Meier survival analysis interpreting the results with various categories like Monthly, Quarterly, and Annual Donors

## Movie Recommender System:

* Implemented a few recommendation algorithms like content based, popularity based and collaborative filtering and built an ensemble of these models in Python

## Created a Database for a Movie Rental Store:

* Database schema design, data collection, database creation using MySQL for a Movie Rental Store, for a list of movies based on the genre, description, customer Id, rent date, return etc.

**CERTIFICATIONS**

**Certified Business Analyst:**

* Having satisfied the requirements of BCS, the Chartered Institute for IT has awarded the Foundation Certificate in Business Analysis from the training provided by Pearson Vue

**ACHIEVEMENTS**

## Queen City Hackathon 2019:

* Won the First Prize by providing potential solution for the social cause Opioid Crisis (Healthcare Analytics) by building a Machine learning model LGB classifier

## Reinvent the Wheel - ATD Hackathon 2019:

* Bagged the First Prize in Predicted demand for replacement tires across the ATDs Distribution Centers, by using a Machine Learning algorithm Light Gradient Boost and presenting it graphically by creating Tableau Dashboards