**PRAGNA YELAMANCHILI**

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**SUMMARY**

* A Data Analytics enthusiast with over **2 years** of **academic** and **4+ years** of **industrial** experience in **Database Development**, **Data Analytics**, **Machine Learning** and **Software Development**.
* Working as a **Database Analyst** at **Diversant LLCs’** client **Bank of America.**
* 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, MicroStrategy, SQL, Excel.**
* Working knowledge of **Agile, Scrum Methodology** and **Waterfall model** in project development and usage of **Kanban** boards
* Refined, debugged and tuned **PL/SQL** code and queries against very large scaled databases for improved system performance.
* 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.

**TECHNICAL SKILLS**

* **Languages:** Python, R, C/C++, Oracle PL/SQL, SQL, SAP ABAP, S4/HANA, HTML, CSS, JavaScript
* **Databases:** Exadata, Netezza, SAP, Relational Databases, Stored Procedures, Views, Indexing, Window Functions, Normalization.
* **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
* **Tools:** R Studio, Weka, Tableau, MicroStrategy, Microsoft Power BI, PostgreSQL, GitHub, Bitbucket, Microsoft Excel, Microsoft Visio, Anaconda, Jupyter Notebook, XLMiner, MySQL

**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.

**Statistics Foundation 1&2:**

* Completed the Statistics Foundation 1 & 2 course in LinkedIn Learning, provided by **NA SBA** with full credits.

**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 Dashboard

**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**

**WORK EXPERIENCE**

**Database Analyst(Credit Risk) Bank of America (Diversant) Oct 2019 – Jan 2021**

* Worked on the COVID related changes that impacted the Exposures by developing a Stored Procedure and adding the additional column in the source tables through the Reporting Layer tables along with the code for the data insertions.
* Worked on the **Regulatory** **Project** and developed Tableau Dashboards to provide reports to Federal Reserve with information about General Exposures, Repurchase Lending Exposures, Derivative Exposures, Eligible Collateral, Net Credit Exposures to monitor any US Bank Holding company with the total consolidated assets of $250 Billion or more.
* Developed the application in Oracle PL/SQL to calculate the **Contingent Risk Exposure** as a part of **Falcon Project** initiated by **CEO**. Provided the decisions on the Data Mappings from Third Party Merchants like FISERV and RS2 to Credit Risk Platform.
* Developed the **Data Flow diagrams** for the Projects and created the proper lineage for various systems involved in the requirement.
* Developed the highly visual MicroStrategy Web Documents and Dossiers to support a large userbase in **Enterprise Credit Risk Platform**.
* Worked on bugfixes in the Production and checked in the code using version control tools like Bitbucket.

**Data Analyst Intern 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. 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.
* 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

**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

## 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.