**Pravallika Chimmiri**

4955 USAA Blvd, Unit 10

San Antonio, TX – 78240

***Contact No :*** 4704942883 ***Email :*** pravallika.chimmiri@gmail.com

* **7+** years of hands on experience in various tools and technologies like **Tableau**, **Power BI, Data Mining, Business Intelligence,** **Statistical Data Analysis & Machine Learning { Beginner }**. Worked closely with **MySQL server and Oracle servers**, **Snowflake, Amazon Redshift Databases** to build reports using **Tableau, WebFOCUS and PowerBI**.
* Specialized in **Data Analytics** **and Reporting**.

**FIELDS AND DOMAINS**

* Pharmacy, Banking, Healthcare, Biomedical, Industrial Manufacturing & Automotive [Supply Chain], Insurance and Financial Services.

**PROFESSIONAL SUMMARY**

* Currently working as a **Tableau Developer/Data warehouse architect** to enhance the existing reports using advanced analytics and working on processing the data and maintaining the quality of the analyses and the data flow
* Worked as a **Senior Data Analyst** for **Vanguard** to build the report and analyze the pattern of the line of business to take business driven and data driven decisions of the products used by the Simplified Access Team
* Worked as a senior data analyst **USAA -** PNC Team. Portfolio Management. Building and maintaining reports for various financial aspects of the company
* Worked as the **Business Intelligence Team lead** for the **U.S Citizens Bank** and leading a team of 12 Business Intelligence Engineers both onsite and offshore to deliver the reports to “Credit Risk Enhancement Project”.
* Helping Citizens bank automate the reports using a BI tool to build reports after connecting to **Amazon Redshift Databases.[ Both On Premises and AWS Cloud ]**
* Worked as a **Data Analyst/Tableau Developer/Power BI Developer**  for multiple **Caterpillar** projects by building reports using **Tableau, Power BI, QlikView, Informatica and Advanced Excel.**
* Queried **Advanced SQL** codes in **MySQL, Oracle and Snowflake** databases.
* Built and deployed **Machine Learning Models.** Maintaining requirements, project, and application documentation as well as providing solution proposals. Design and Development of Business Intelligence Strategy
* Design BI Applications in Tableau, **QlikView, SSIS, SSRS, SSAS, OBIEE, Cognos, Informatica.**
* Developed data pipelines using ETL tools SQL Server Integration Services (SSIS), Microsoft Visual Studio (SSDT)

**EXPERIENCE**

**Senior Data Analyst (***Vitrix Technologies***,** *San Antonio - TX)* **July 2022 -  *present***

***Client : Mission Pharmacal***

* Analyzing the data to modify the reports and add advanced filters and improve the interface of the dashboard
* Working with **IQVIA data** and other third party data to improve the quality of analysis
* Maintaining the jobs in **SQL Studio** and inspecting the data flow errors to understand and update the process of generating the reports
* Building the dashboards as per the requirements of the Sales, Marketing and Finance Executives and also Managing relationship with the sales executives and providing strategic plan.
* Working on fixing the errors in the **SSIS packages** to make sure the data is updated right and it of the highest quality
* Working on planning, developing and delivering the reports by enhancing the existing reports using advanced analytic methods
* Working on processing and transforming the data for modeling while ensuring its integrity
* Helping standardize the d**ata definitions, rules and descriptions**. Also helping define access policies and optimize data - related workflows and communication

***Client : Vanguard***

Worked in Data Discovery Team where we used the BigID, a SAP tool to analyze the personal data using highly identifiable attributes.

• Worked on the California Privacy Potection Law. The mission was to identify all the PI and PII of individuals at the company either customer or clients and provide the scan result analysis to the team

•Used the BigID tool to identify the number of objects failed and successed and also run DSAR’s.

•Worked in Data Discovery Team where we used the BigID, a SAP tool to analyze the personal data using highly identifiable attributes.

• Working with the team to attach the correlation sets and ran the scans for different data sources to identify any PI using PO\_ID which is the primary key of almost all the tables.

• Worked with the SAX - Simplified Access Team that helps improve the permission issues and built the dashboards to track the progress of multiple projects in the team

• Building the dashboard that shows the progress of the scans and how many have failed and how many data sources were we able to scan

• Create and Enforce policies for effective data management

• Formulate techniques for quality data collection to ensure adequacy, accuracy and legitimacy of data

• Devise and implement efficient and secure procedures for data handling and analysis with attention to all technical aspects

•DSAR Results of the highly identifiable attirbutes are to be compared to the sample data testing set and the success rate is to be calculated.

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**USAA - Senior Data Analyst** *(Datawin Systems,HCL), San Antonio ,TX* ***Jul 2021 - June 2022***

**P & C Financials :**

* Building complex SQL queries using **Aginity Workbench and using Netezza Database**.
* Built Advance Analytics like sunburst charts, radial bump charts etc., from **Tableau** reports using **Custom SQL queries** and relationships. Worked on predictive analytics using Tableau.
* Worked on **Salesforce** connectivity to Tableau and a tool called **Project View** that helps allocate budgets to the resources of the company.

**U.S Citizens Bank - [BI Team Lead]** *(Vertiv),RI*  ***Sept 2020 – June 2021***

**Credit Risk Report Enhancement Project :**

* Managing and **leading a team** of qualified individuals to help enhance the quality of the reporting process at **Citizens Bank @Rhode Island**.
* Built the Reporting Structure and templates for the team of Business Intelligence Engineers actively working in enhancing the visualization of the reports related to the Credit Cards of U.S Citizens Bank. Supporting a team of 12 Reporters understand the user requirements, perform analysis and build reports.
* Aiding in organizing the data from data lakes and helping structure the data in **Amazon Redshift.** Vigorously building reports using **Tableau, PowerBI and WebFOCUS**.
* Writing **SQL Queries** and resolving queries and extending the support to the team offshore and improving the coordination to develop the strategies of how Banking industry perceives the latest technologies.

**Vanguard - Data Scientist** *(The Judge Group),**Malvern, PA.* ***Feb 2020 – Sept 2020***

**Recession Analysis :**

* Helped standardize the data by performing data transformation and other data cleaning operations before generating the sample data form the population.
* Supported the team that was invested in analysis of the **behavioral changes** of the investors during the current recession period by analyzing the amount of funds withdrawn due to the panic of the COVID Situation.
* Helped the company understand the **impact of the COVID** and the amount of funds withdrawn due to the current circumstances and to predict the amount of funds that might be withdrawn in the near future.
* Build a **Linear Regression** model to understand the weight of the factors invested and to help check the data quality. Compared the analysis to the great recessions of 2001 and 2009 to make sure the model is not **overfit or under fit.**

**Advice and Full Service Report Library, FSE Client Pricing Tool Applications:**

* Built the prediction reports using **Tableau** to understand the adaptability of the clients to the digitalization of the investment technical tool built by Vanguard.
* Helped understand the challenges in the pipeline, built strategies to enhance the adaptability and classified the clients into multiple pipeline phases. Built a web based **DASH** application in order to automate and embed the reports.
* Supported the **Tableau reports** and maintained them all through out the project. **Built San-key Diagrams, Waffle charts, scatterplots, violin plot, population pyramid and flow map in Tableau reports.**
* Worked as a part of the **Institutional Analytics Team** in order help them build the reports required for visualization and other analysis.

**Caterpillar Headquarters - Data Analyst** *(Belcan), Peoria, Illinois.* ***Oct 2018 – Jan 2020***

* Building **Power BI Reports, Tableau Reports** for the **Products Support and the Logistics Division**. Analyzed the service parts data, demand, supply and business plans for the past few years that helped to identify the unique trends of revenue and patterns
* Aided in migration of the database tables and views to **Snowflake.** Worked intensively with **Snap Logic** in building a process flow to update the databases automatically. Excellent communication, interpersonal, analytical skills and strong ability to manage and motivate the team.

**Caterpillar KK And H buildings - Data Analyst** *(CGN Global), Peoria, Illinois* ***Jan 2017 - Sept 2018***

* Built the **Tableau Prep Flow** and coordinated with the 7 different people sitting in 7 countries and helped organize and send the data in order to automate the process.
* Defined **data models** and analyzed the patterns of demand from the Caterpillar wing.
* Built **Data definitions and policies** and worked on building the physical and the logical model of the tables. Helped migrate the data to Clod from On - Premises Oracle environment. Helped maintain the dashboards alongside another intern with the help of the team lead.

**EDUCATION**

**Master of Science in Data Science**, *Bradley University, Peoria, IL* ***May 2018 Graduated***

**Bachelor of Technology in Information Technology,** *India*  ***May 2016 Graduated***

**PUBLICATION RECORD –** *Bradley University, Peoria, IL.*  ***May 2018***

* Title - “An Ontological Approach and a **Meta-Algorithm for Data and Machine Learning Algorithms** Analysis and Classification with Application in the Medical Domain”
* <https://search.proquest.com/docview/2056466123>

**CERTIFICATIONS**

* 2022 - **Salesforce Platform App Builder** (Certified Jan 2023)

**AWARDS & ACTIVITIES**

* Dean's Award for best Graduate Research in Data Science
* Caterpillar Academic Excellence Scholarship
* Peoria Area Scholarship for the best Annual performance