Sai Puneeth Chinnam

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SUMMARY

Data Analyst with a master's in Data Analytics Engineering and 3 years of experience across Finance and Supply Chain sectors. Experience in performing Customer Analytics, Automating reports, and Forecasting. Expertise in trend identification from large datasets and dashboard creation.

TECHNICAL SKILLS

Languages: SQL, Python, R
Database: MySQL, Oracle, RDS
Business Intelligence Tools: Tableau, Microsoft Excel, Power BI
Cloud Technologies: AWS (Athena, QuickSight, Glue, RedShift, Lambda)
Certifications: AWS Cloud Practitioner, Big Data Analytics – IBM

WORK EXPERIENCE

Data Analytics Coop – Supply Chain Logistics 10/2022 – 01/2023

Schneider Electric, Franklin, TN

- Developed a **Python application** integrating cross-functional teams' data to **automate** the allocation of Orders and Inventory data, **reducing 96% human hours**
- **Reduced** daily **report generation time by 70%** by implementing **ETL** data pipelines to build sales data report using AWS Glue, integrating S3 buckets and **Tableau**
- **Forecasted** the Bill of Lading (**BOL**) using the Seasonal **ARIMA** and Prophet statistical models on time series data with **87% accuracy** for the subsequent quarter
- Decreased the Forecast **BIAS** using hypothesis testing(**t-test**) of parameters and **Error analysis**
- Led order retrieval from SAP transactions using **SQL** queries, cleaned complex data ensuring **data validation** with **macros** using VBA, improving data access and **processing time**

Data Analyst – Advanced Customer Analytics 06/2019 – 07/2021

Cognizant Technology Solutions, Bangalore, INDIA

- Collaborated with **credit analytics** team in analyzing **Delinquency Rate**, **DTI**, and **Credit Score metrics** to improve credit models and risk rating system's accuracy, **saving 300k** annually
- Performed **statistical analysis** to evaluate **marketing strategies**, validate hypotheses, and measure impact, improving **CSAT**, **Churn Rate**, and **Contact Rate** by **18%** quarterly
- Conducted over 10 **ad hoc analyses** on underperforming **KPI** metrics using **SQL** to discover new insights, and patterns and presented **recommendations** to stakeholders
- Created **reports** and drill-down **dashboards** in **Tableau**, providing **data-centric consulting** for the **clients and stakeholders** based on their requirements to analyze business needs
- Owned data collection and processing of the Qualitative metrics, and **BPI metrics** data on Excel employing V-Lookup, Pivot tables, and Conditional formatting features

Data Analyst Intern – Sustainability Analytics 01/2019 – 05/2021

Cognizant Technology Solutions, Hyderabad, INDIA

- Compiled exploratory data analyses on **quantitative and qualitative data** utilizing historical data from sensors in agricultural fields, **reducing water consumption by 28%**
- Improved a **supervised learning model** accuracy for consideration parameters such as **water stress index**, **pH**, and temperature, resulting in a **30% increase** in agricultural productivity
- Generated dashboards using **PowerBI** to interpret and analyze data efficiently for the predictions and providing **quantitative findings** for stakeholders and business partners

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ACADEMIC PROJECTS

Data Visualization Project – Covid-19 Impact on NYC Transit - Link

- Compiled **complex data sets** for subways and buses from the official MTA website, ride-hailing services data from the NYC TLC, and obtained air quality data from the US EPA data source
- Constructed four **data narratives** on **ridership trends**, the surge in food delivery, traffic volume and emissions, and the prevalence of electric vehicles on the road
- Designed an **interactive dashboard** comprising three page views featuring **14 visualizations** incorporating moving averages, parameters, annotations, and **custom-calculated fields**

Machine Learning Project - Energy Consumption Prediction - Link

- Analyzed energy consumption patterns in buildings using **40 million data points**, employing advanced **predictive analytics**. Conducted feature engineering to identify the critical factors
- Enforced regression analyses using eXtreme Gradient Boosting (XGBoost), CatBoost, and Linear Regression Models and **tuned hyperparameters**, achieving an **RMSLE of 1.2**
- Developed a presentation illustrating the effectiveness of **sustainable techniques** rooted in environmental factors, resulting in a **25% reduction in energy consumption**

EDUCATION

Master of Science, Data Analytics Engineering
Northeastern University, Boston, MA
Coursework: Data Mining, AWS, Operations Research, Data Visualization, Database Management

Bachelor of Technology, Electronics and Computer Science
Jawaharlal Nehru Technological University, Hyderabad, India
Coursework: Big Data Analytics, Business Intelligence, Mathematics, ERP, Probability and Statistics