

Sai Puneeth Chinnam

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SUMMARY

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

TECHNICAL SKILLS

Languages: SQL, Python, R

Database: MySQL, Oracle, RDS

BI Tools: Tableau, Microsoft Excel, Power BI, Looker, BigQuery, SSMS

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, **reducing 96% human hours**
- **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**
- **Reduced** daily **report generation time by 70%** by implementing **ETL** data pipelines for sales managers using AWS Glue, integrating S3 buckets and Tableau
- Led order retrieval from SAP transactions using **SQL** queries, cleaned data with **macros** using VBA, improving data access and **processing time**

Data Analyst – Advanced Customer Analytics

06/2019 – 07/2021

Cognizant Technology Solutions, Bangalore, INDIA

- Conducted over 10 **ad hoc deep-dive analyses** on underperforming **KPI** metrics to identify patterns and insights and presented to stakeholders using **Tableau** on the **RDS** instance
- Performed analysis to evaluate **marketing strategies**, validate hypotheses, and measure impact, resulting in improvement in **CSAT**, **Churn Rate**, and **Contact Rate** by **18%** quarterly
- Assisted **credit analytics** team in analyzing **Delinquency Rate**, **DTI**, and Credit Score metrics to improve credit models and risk rating system's accuracy, **saving 300k** dollars over a year
- Owned data collection and processing of the Qualitative metrics, and **BPI metrics** data on Excel employing V-Lookup, Pivot tables, and Conditional formatting features
- Created unified **reports** and drill-down **dashboards** in Tableau, created presentations for the internal and external stakeholders to analyze business performance

Data Analyst Intern – Sustainability Analytics

01/2019 – 05/2021

Cognizant Technology Solutions, Hyderabad, INDIA

- Compiled **exploratory data analyses** and estimated irrigation requirements for crops, 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 **Power BI** for deliverables, effectively visualizing the predictions and providing **quantitative findings** for stakeholders and business partners

ACADEMIC PROJECTS

Data Visualization Project – Covid-19 Impact on NYC Transit - [Link](#)

- Compiled **20 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