VENKATA PARUPUDI

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Results-driven Data Analyst adept at transforming complex data into meaningful insights, I possess strong communication skills, allowing me to effectively collaborate with stakeholders at all levels. I have a proven track record of 5 + years in successfully translating business needs into actionable solutions and I excel in identifying trends, patterns, and opportunities that empower businesses to achieve their goals.

EDUCATION

The University of Texas at Dallas, *M.S, Supply Chain Management*	**May 2019**
Gitam University, *B.S, Mechanical Engineering*	**May 2016**

SKILLS

Programming/Scripting languages:	SQL, R, Kusto, Python (Pandas, NumPy, Jinja, Matplotlib, Seaborn, Sci-kit learn), VBA, HTML, CSS
Databases:	MySQL, SQL Server, Azure Data Explorer, Redshift Salesforce, Oracle, PostgreSQL, Teradata, SAP Hana
Certification:	Tableau Desktop Specialist, CTL, Lean Six Sigma Green Belt, Professional Scrum Master
Data Visualization Tools:	Power BI, Tableau, Looker, QuickSight, Microsoft Excel, Google Analytics, Qlik Sense, Zoominfo
Data Manipulation and Reporting Tools:	Snowflake, Spark, Apache NiFi, BusinessObjects, Airflow, Kafka, Redshift, Hadoop, SSMS, Databricks Cloudera, SSAS, Informatica, Alteryx, Adobe analytics, PowerPoint, Word, Excel, OLAP, OLTP, GitHub

PROFESSIONAL EXPERIENCE

Illumina Inc., Senior Data Analyst   **Dec 2021 – Present**

- Identified KPIs and built **Tableau dashboards (LOD functions)** using **SQL** to conserve 17 Hrs. weekly by consolidating ad-hoc requests.
- Translated stakeholders' business needs and technical requirements into **data solutions/hypothesis**, including communicating designs through **UI/UX** wireframes to define **Minimum Viable Product** and managing change requests to deliver actionable insights.
- **Led** a team of analysts to support **analytics & reporting** for high visibility projects across manufacturing, operations and **supply chain.**
- Designed **Plotly** dashboards using python and deployed them on **R-Studio connect** to visualize manufacturing shop floor metrics/KPI's.
- Accessed **JIRA** backend tables using **API** via python and pushed data into a custom JIRA landing page to report and manage daily shift-to-shift passdowns on manufacturing shop floors, highlighting key **performance metrics**, **trends** and **KPI's** for daily leadership review.
- Built ETL pipelines using **S3**, Apache **Kafka**, **Amazon Redshift, Iceberg** and **Snowflake** to automate 50+ business reports and dashboards.
- Created Star / **Snowflake** Schema in the **metadata** repository to form entity relationships between fact and dimensional (RDBMS) tables
- Created DAGs in **Apache Airflow** using **Python** to extract data from **SAP HANA** and send **safety stock** related automated email alerts.
- Deployed **ETL** flows in **Cloudera** using **PySpark** to create automated end to end **data pipelines** and improved **query performance** by 70%
- Organized **scrum** meetings and used daily **sprints** to breakdown tasks for improving **product usage digital analytics** & operations by 11%
- Performed **data wrangling** & **data cleansing** on 500000+ clinical lab records using **Informatica** & **Alteryx** for faster query performance.

Illumina Inc., Business Data Analyst 2   **Dec 2019 – Nov 2021**

- Spearheaded custom **JIRA** workflow development using **SDLC** principles for 5 global manufacturing sites to reduce manual data entry.
- Strategized **Data Wrangling** and **Data Cleansing** on 1 million+ **lab investigation & audit records**, improving performance metrics by 25%
- Conducted **Exploratory Data Analysis** in **Python** on SAP Interruptions data to spot patterns and discovered 18+ columns with null data.
- Utilized **Apache NiFi** for **automated data ingestion** and built **data pipelines** between manufacturing equipment and 10+ key databases.
- Designed a one stop shop **BI landing page** on **Tableau Server** while following UI principles to host 20+ Tableau dashboards and reports.
- Utilized **NLTK library** in Python to conduct **text mining analysis** on **SAP Material Master data** to track top 10 expiration root causes.
- Enabled **Inventory and stockouts** tracking at operator level to automate data entry tasks by deploying a **Python Flask Web application**.
- Created interactive shop floor map-based web apps using **Streamlit, HTML and CSS** for live status monitoring of 75+ sequencers in labs.
- Developed **queries**, tables, **indexes**, **views** and **stored procedures/functions** using data from SAP HANA for the Supply Chain business operations to build metrics, reports and dashboards, thereby resulting in cost reduction in SKUs and process improvement by 9%
- Virtualized databases by building **30+ base views and system views** from **MS SQL** database and published in **Denodo** VDP environment.

Dexcom, Supply Chain Data Analyst   **June 2019 – Nov 2019**

- Wrote SQL queries to extract **structured data** from **Teradata** and **Oracle** databases to create weekly reports and **ad-hoc analysis.**
- Reduced **data latency** by automating daily refresh of approximately 20 **SharePoint** and manual excel reports using **SSRS** and **Tableau**
- Integrated **R** script with **Power BI** to build **time series forecasting model** using two years of historical data to predict sales units, receipt units and inventory levels on a 3-month rolling period basis to aid with **capacity planning** and tool utilization with an accuracy of 93%
- Communicated business requirements in client revenue report and utilized **advanced excel functions** such as **VBA, Pivot Tables VLOOKUP, COUNTIFS, SUMIFS** etc., generating budget savings of over $100,000 per year affecting **revenue and operations**.
- Monitored demand, **supply flow and inventory turnover rate** of over 20 SKUs to minimize **backorders** and maximize **fill rates** up to 97%

Southern Enterprises LLC, Supply Chain Analyst Intern   **Sept 2018 – May 2019**

- Generated Vendor shipping performance report on **supplier** data, to increase **inventory turns** by 2.5 and reduce excess inventory by 20%
- Prepared a **Power BI** report using **DAX & SQL** queries for On Hand, On Water & On Order shipments to visualize and track 15+ KPI's.
- Responsible for generating weekly, monthly, and quarterly **forecasts** and **supply plans** on a **SKU** level for global and domestic flooring category portfolio which consist of 266 SKUS and accounts for 68% of company sales dollars ($34M)
- Spearheaded a site wide **Six Sigma (DMAIC)** project to promote **lean** methods, improve product quality and reduce part rejection by 70%
- Designed excel **macros** and VBA to automate the TO **ship & receive** process in **MS Dynamics NAV** to reduce 5 hrs of manual work per day
- Utilized analytical models like **ARIMA** etc. to generate product demand, supply, and availability during trial planning and/or enrollment.
- Analyzed goods receiving data to calculate production **lead time** and purchase order **on time rate** to evaluate 6+ suppliers' performance.
- Performed **root cause analysis** on production data to eliminate waste, add value, and significantly enhanced **customer fill rate** by 70%.