# POORNA SAI VEERA HARISH PEDAPUDI

*Virginia (Open to Relocation)*

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## SUMMARY

Data Analyst with 5+ years of industry experience and a Master's in Data Analytics Engineering from George Mason University. Applied Python, SQL, Tableau, and AWS to develop dashboards, automate pipelines, and analyze multi-million row datasets to transform complex data into strategic insights. Delivered scalable data solutions and predictive models that streamlined workflows, accelerated reporting by 30%, and generated 15+ critical financial insights—contributing to a 25% improvement in business performance. Collaborated cross-functionally to enable data-driven decision-making and address high-impact business challenges.

## TECHNICAL SKILLS

**Languages & Tools**: Python, SQL, R, PySpark, Tableau, Power BI, Excel, VS Code, Jupyter Notebook, Git,

**Libraries & Frameworks**: Pandas, NumPy, scikit-learn, Matplotlib, Seaborn, Spark, BeautifulSoup, tidyverse, dplyr, PyTorch

**Cloud & Databases**: AWS (S3, Redshift, Glue), Azure, Snowflake, MySQL, PostgreSQL, MongoDB

**Core Concepts** : ETL, EDA, A/B Testing, NLP, Hypothesis Testing, Data Warehousing, ML, Big Data

**Data Science & Statistical Methods**: Regression, Classification, Clustering, Time Series Forecasting, Statistical Testing, Feature Engineering, Model Evaluation

## PROFESSIONAL EXPERIENCE

### Indukuri Information Services Inc — Oct 2023 – Present
*Data Analyst (Volunteer)* — *Remote*

- Architected initial database structures using SQL and AWS S3, laying the foundation for scalable reporting and improved data consistency.
- Took ownership of assisting cross-functional initiatives and supported onboarding of junior analysts, contributing to smoother knowledge transfer and quicker adaptation for new team members.
- Constructed SQL-based analytics pipelines integrated with AWS Redshift, accelerating data retrieval by 25% and improving pilot reporting projects.
- Streamlined early-stage ETL workflows and basic data pipelines using Python, PySpark, SQL, and Apache Airflow, enhancing operational efficiency and supporting delivery of financial reporting insights.
- Performed exploratory trend modeling and A/B testing using scikit-learn and statsmodels, identifying data-driven optimizations in marketing strategies.

### Hildreth Institute — Jan 2024 – May 2024
*Data Analyst* — *Fairfax, VA*

- Evaluated 250,000+ education records across U.S. states, building Tableau dashboards and KPIs to guide public policy initiatives.
- Visualized complex financial data by designing 10 Tableau dashboards; enhanced data communication by 35% and facilitated clearer decision-making regarding cost of attendance metrics for stakeholders.
- Architected AWS S3 and Redshift-based infrastructure to manage 100+ GB of data, boosting retrieval speed by 40%.
- Simplified data extraction and ingestion using Python (APIs, web scraping) and SQL, reducing manual data entry by 90% and optimizing data storage with AWS S3 and Redshift.

### Tritech Software Pvt Ltd — Jul 2019 – Dec 2022
*Data Analyst* — *Hyderabad, India*

- Orchestrated the migration of data from legacy ERP systems into a centralized data warehouse using Python and SQL, diminishing data silos and accelerating reporting cycles by 30%.
- Leveraged EDA techniques to uncover seasonal demand trends, optimizing inventory forecasting and reducing stockouts by 25%.
- Built Tableau dashboards to visualize KPIs like revenue growth and regional performance, reducing reporting time by 30% and improving stakeholder insights.
- Revamped ETL workflows and unified diverse data sources, enhancing model performance by 20% and accelerating predictions.

## EDUCATION

**George Mason University**                                    **Jan 2023 – May 2024**
*Masters in Data Analytics Engineering*                        *Fairfax, Virginia*

**Malaviya National Institute of Technology, Jaipur**         **Jul 2016 – May 2020**
*Bachelors of Technology in Electronics and Communication Engineering*    *Jaipur, India*

## PROJECTS

**Dashboard for Data Exploration of Global COVID-19 Data**         **Oct 2023 – Dec 2023**
*SQL Server, Tableau, Excel, Data Warehouse, ETL, Big Data Analytics*
- Optimized 1B+ COVID-19 records using SQL Server to identify fatality and vaccination trends; built Tableau dashboard with 20+ visuals aiding health agencies' response planning.

**Amazon Web Scraper**                                         **Jul 2023 – Sept 2023**
*Python, BeautifulSoup, Pandas, SQL, Data Engineering, Web Scraping, AWS(Lambda, S3)*
- Engineered a real-time Python web scraper with BeautifulSoup and AWS, capturing 10,000+ product prices/min and reducing retrieval errors by 20% through automated workflows.

**Analysis of Bank Marketing Strategies and Customer Behavior**    **Apr 2023 – Jun 2023**
*Python, R, SQL, Pandas, Scikit-learn, Tableau, A/B Testing, Predictive Analytics*
- Assessed 100,000+ customer profiles using SQL, Python, and scikit-learn to build segmentation models, increasing campaign conversions by 15% and engagement by 20%.

## HONORS AND AWARDS

**Phi Kappa Phi Honor Society Member at George Mason University**    **Mar 2024**
- Recognized by Phi Kappa Phi, the nation's most selective all-discipline honor society, outperforming 90% of graduate students in leadership, academic excellence, and scholarship.

## ADDITIONAL EXPERIENCE

**The Halal Guys, LLC**                                        **Jan 2023 – May 2024**
*Assistant General Manager*                                    *Fairfax, VA*
- Promoted from Team Member to Assistant General Manager within 8 months; developed leadership by managing inventory tracking, shift performance metrics, and team operations.