Phani Varma Pericharla

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Professional Summary

I'm a Data Analyst with hands-on experience in SQL, Python, Tableau, and Power BI, passionate about turning raw data into meaningful stories. I have a strong background in extracting, analyzing, and visualizing data, building predictive models, and creating dashboards that help businesses make smarter decisions. I'm looking for a role where I can apply both my technical and analytical skills to drive growth and support strategic planning.

EDUCATION

Central Michigan University   **Mount Pleasant, Michigan**
M.S. in Information Systems   May 2025

- **Concentrations:** Business Data Analytics
- **GPA:** 3.3
- **Related Coursework:** Data Analytics & Visualization , Predictive Modeling & Business Decision Making, Database Design & SQL for Business Systems, Systems Analysis & Business Process Modeling, Application Development (Python, Web Technologies), Project Management & Agile Methodologies, Information Systems Strategy, Data-Driven Business Communication, Capstone: Information Systems Project.

SKILLS

Languages/Tools: Python, R, SQL, Java, JavaScript, HTML/CSS, Node.js, React.js, C
Databases & Tools: SQL Server, Tableau, Power BI, Excel, PowerPoint
Data Science: Pandas, NumPy, Scikit-learn, XGBoost, ARIMA, Logistic Regression, EDA, Forecasting
Soft Skills: Data Storytelling, Stakeholder Communication, Agile Collaboration

EXPERIENCE

Quantyum Technology Solutions   **Hyderabad, India**
Data Analyst Intern   Feb 2022 – July 2022

- Engineered scalable ETL pipelines (Python, SQL) that increased data processing efficiency by 25%.
- Constructed dashboards in Tableau and Power BI, reducing reporting delays by 40%.
- Identified trends and anomalies (EDA) that boosted operational efficiency by 15%
- Implemented ML forecasting (Logistic Regression, XGBoost) with ~18% accuracy improvement.
- Automated recurring reports with Python, saving 15 hours of manual effort monthly.

Quantyum Technology Solutions   **Hyderabad, India**
Jr. Data Analyst Engineer   Aug 2022 – May 2023

- Constructed high-performance data pipelines with Python, SQL Server, and Node.js, increasing processing speeds by 35% for critical workloads.
- Built and deployed ARIMA/SARIMAX forecasting models, improving prediction accuracy by 18–22% and providing actionable, real-time insights.
- Rolled out Power BI dashboards that decreased bottleneck detection times by 25–30%, minimizing downtime.
- Engineered anomaly detection pipelines, boosting service reliability and increasing uptime by 15% across platforms.
- Authored comprehensive technical documentation and conducted training sessions for junior analysts, reducing onboarding times by 30%.
- Integrated cloud-based data storage and processing services (AWS/Azure), enhancing scalability and reliability for growing analytics needs.
- Enhanced database indexing and partitioning strategies, reducing query latency by 40–50% and supporting faster access to critical data.

PROJECTS

Loyal Customer Detection With SQL + PYTHON

- Engineered predictive models (Logistic Regression, XGBoost) to identify loyal customers using behavioral data.
- Wrote and optimized 70+ T-SQL queries for data extraction and transformation.
- Reduced query latency by 19% through advanced techniques (CTEs, window functions).
- Designed a full pipeline integrating multiple data sources for real-time loyalty scoring.
- Designed Tableau dashboards to support personalized marketing strategies.

Predictor Global Mortality Analysis

- Analyzed worldwide mortality patterns using Python (Pandas, Scikit-learn) and SQL-based ETL processes.
- Conducted segmentation, cohort analysis, and retention modeling on high-dimensional datasets.
- Integrated sentiment analysis (NLTK, TextBlob) from social media data for public health forecasting.
- Crafted interactive Tableau visualizations for pattern discovery across regions.

Healthcare Data Management & Reporting

- Cleaned, validated, and transformed medical records using SQL and Excel to ensure accurate reporting.
- Created Power BI dashboards to track lab test workflows and patient registration metrics.
- Automated routine reporting with Python scripts, cutting manual effort by 30%.
- Collaborated with lab teams to improve process transparency and data reliability.

ACTIVITIES AND LEADERSHIP

Finance Manager, CollegeFestival'22

- Led a 100+ member organization, managing a $23,000 budget, hosting community and religious events, and supporting outreach programs for the underprivileged in Atlanta.
- Formulated an Excel-based ledgering system for 830+ invoiceand purchase orders, optimizing procurement and saving the university $3,000.

CERTIFICATIONS

- Lean Six Sigma Green Belt
- Tableau Desktop Specialist
- SQL for Data Science
- Python for Everybody Specialization