Bhargav Dharmapuri

Dharmapuribhargav6909@gmail.com | (331) 290-4803 | Chicago, IL
LinkedIn

SUMMARY

Results-driven Data Analyst with 4+ years of experience in business intelligence, predictive analytics, and data-driven decision-making. Proficient in Python (Pandas, Scikit-learn), SQL, Power BI, and Tableau for advanced data analysis and visualization, with a proven track record of optimizing supply chains—reducing logistics costs by 10% and improving inventory accuracy by 20%. Developed machine learning models that increased marketing ROI by 15% and automated reporting processes to save 15+ hours weekly. Skilled in designing ETL pipelines (Talend, Informatica) and processing large datasets with big data technologies (Spark, Hive). Created interactive dashboards that accelerated executive decision-making by 35% through actionable insights. Collaborative team player who trained 15+ employees, driving 50% higher analytics adoption across departments.

WORK EXPERIENCE

Data Analyst |Carrier Technologies | Hyderabad, India **06/2020 – 07/2023**

- Analysed 10K+ monthly records using SQL (joins, CTEs) and Python (Pandas) to identify inefficiencies, improving operational efficiency by 15%.
- Developed a time-series forecasting model (Prophet, ARIMA) that increased inventory accuracy by 20%, reducing overstock costs by $60K annually.
- Built a consumer trend analysis model (Scikit-learn) that boosted marketing ROI by 15% in 3 months.
- Automated weekly sales reports via Power BI Gateway, saving 15+ hours weekly for 100+ users.
- Optimized Azure Synapse pipelines, reducing data retrieval times by 40% for TB-scale datasets.
- Designed interactive dashboards (DAX measures, drill-through filters) that accelerated executive decisions by 35%.
- Trained 15+ employees on SQL and Power BI, increasing analytics adoption by 50%.

Junior Data Analyst | Micron Technologies | Hyderabad, India **07/2019 – 12/2019**

- Automated legacy Excel workflows using Talend and Python (OpenPyXL, Pandas), reducing manual processing time by 40%.
- Engineered PySpark scripts to cleanse and aggregate 10TB+ of semi-structured data (JSON/Parquet), improving query performance by 30%.
- Optimized PySpark pipelines using hyperparameter tuning (GridSearchCV), reducing run time by 30%.
- Designed a Star Schema data model in Snowflake with conformed dimensions, eliminating 25% duplicate reporting efforts across departments.
- Developed automated Excel report generators (pivot tables, VLOOKUP), cutting manual work from 8 hours to 3 hours weekly (40% savings).
- Created Tableau dashboards with LOD calculations to track customer churn, enabling targeted campaigns that increased ROI by 15%.

Intern |Tera star Networks Pvt Ltd | Hyderabad, India **01/2019 - 06/2019**

- Developed a Python-based validation framework using pytest to automate ETL output verification against 50+ business rules, identifying 95% of data issues before reporting cycles.
- Built and deployed a linear regression model (Scikit-learn) for sales forecasting, achieving 85% accuracy and reducing stockouts by 12% through optimized inventory planning.
- Refactored 20+ SQL stored procedures and designed Informatica mappings to streamline data transformations, cutting processing time by 30% (from 5 hrs → 3.5 hrs per batch).

SKILLS

Programming:
- Python, SQL, PySpark

AI/ML Focus:
- **Machine Learning**: Scikit-learn, XGBoost, TensorFlow, Time-Series Forecasting (Prophet, ARIMA)
- **NLP**: SpaCy, NLTK, Text Classifica5on, Sentiment Analysis
- **Model Deployment**: Flask, Streamlit, Docker

Data Engineering:
- **ETL/Orchestration**: Talend, Informatica, Apache Airflow
- **Big Data**: PySpark, Hive, Delta Lake
- **Cloud**: AWS (S3, Redshift, SageMaker), Azure (Synapse)

Analytics & Visualization:
- **BI Tools**: Power BI (DAX, Power Query), Tableau (LOD Calcs)
- **Python Libraries**: Pandas, NumPy, Matplotlib, Seaborn
- **Advanced Excel**: Power Pivot, VBA Macros

PROJECTS

Retail Sales Forecasting

- Addressed inventory cost issues caused by inaccurate demand predictions (12% overstock)
- Developed an ensemble forecasting model combining XGBoost and ARIMA techniques
- Created meaningful features including holiday indicators and price elasticity metric
- Designed an interactive Power BI dashboard for real-time inventory monitoring
- Utilized: Python (Prophet, Scikit-learn), Power BI (DAX), statistical forecasting methods
- Results: Achieved 12% reduction in overstock costs, saving $85K annually

Fashion Trends Analysis

- Solved declining market share problem from outdated inventory strategies
- Conducted comprehensive analysis of 20 years of historical sales data
- Implemented SQL window functions and k-means clustering on social media sentiment
- Built interactive Tableau visualizations to track emerging fashion trends
- Utilized: Advanced SQL (CTEs, partitioning), Tableau (LOD calculations), NLP (VADER)
- Results: Enabled data-driven inventory planning projected to increase market share by 10%

EDUCATION

Master of Science in Business Analytics

Lewis University. *2025*

Bachelor of commerce in Computer Applications

Osmania University. *2020*