

# Bhargavi Chukkapalli

## Data Analyst /Business Analyst

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### SUMMARY

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Seasoned Business Analyst with over 3 years of experience in business/data analysis, ETL development, and business intelligence. Proven track record in optimizing operations, enhancing forecasting accuracy, and leveraging advanced technologies to uncover valuable business insights. Proficient in SQL, Python, Tableau, and AWS, with a strong foundation in data modeling and statistical analysis. Excel in collaborating with cross-functional teams and stakeholders to deliver impactful solutions that drive business success.

### TECHNICAL SKILLS

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- **Programming Languages:** Python, SQL, NoSQL
- **Cloud Technologies:** AWS S3, IAM, EC2, Amazon Quick Sight, Athena, Amazon Redshift, AWS Glue
- **Data Visualization Tools:** Tableau, Power BI, Excel
- **Database Technologies:** MySQL, MongoDB, SAP HANA, PostgreSQL, Amazon RDS
- **Machine Learning:** NumPy, Pandas, Seaborn, Matplotlib, Scikit-Learn, k-NN, SVM, Random Forest, Decision trees, K-Means Clustering
- **Other skills and tools:** ServiceNow, JIRA, Data structures, Microsoft Office, Git, Snowflake, OOABAP

### PROFESSIONAL EXPERIENCE

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#### Epsilon, NC

##### Data Analyst

January 2024 – May 2024

- Collaborated with data engineers and operations teams to implement ETL processes and optimize SQL queries for data extraction, using AWS Glue, Redshift, S3, and RDS to ensure seamless data integration across diverse projects.
- Utilized AWS services to optimize data operations, processing, and analytics, contributing to a 20% improvement in operational efficiency.
- Conducted extensive data analysis with Tableau and QuickSight to identify trends in inventory management, procurement, and logistics.
- Implemented machine learning algorithms for demand forecasting and inventory optimization, resulting in a 15% reduction in procurement costs and a 20% improvement in order fulfillment rates.
- Engaged in feature engineering tasks using scikit-learn preprocessing techniques, including feature intersection, normalization, and label encoding.
- Proficiently utilized a range of business intelligence tools for data warehousing, reporting, querying, data mining, and spreadsheet applications.
- Actively participated in Agile Scrum meetings with the Line of Business (LOB) and Data Operations teams, facilitating discussions on project progress and issue resolution.
- Applied practical expertise in data modeling, encompassing dimensional, physical, and logical data modeling techniques to optimize data storage and analysis processes.

#### Accenture pvt Ltd, India

##### Business Analyst

March 2020 – December 2022

- Extracted and analyzed data from SAP ERP systems using SQL, developed and maintained queries to generate reports, track KPIs, and monitor inventory levels, optimizing inventory management practices.
- Developed an inventory forecasting model using historical sales data, lead times, and supplier relationships, reducing stockouts by 15% and increasing sales by 10%.
- Created 15+ interactive Tableau visualizations, including scatter plots, geographic maps, pie charts, bar charts, and heatmaps, enhancing data accessibility and leading to a 20% increase in campaign ROI.
- Analyzed complex data sets using statistical and data analysis techniques to identify trends, patterns, and insights, supporting data-driven decision-making processes.

- Automated data processing tasks using advanced Excel functions, including pivot tables and VLOOKUPs, improving reporting efficiency by 20% and accuracy by 15%.
- Conducted cost and transportation logistics analyses to optimize freight routes and sourcing strategies, reducing lead times and transportation costs.
- Utilized Python for web scraping and data analysis, leveraging BeautifulSoup, Pandas, and NumPy, analyzing over 10 million data points and ensuring data integrity through reconciliation scripts.
- Achieved a 15% reduction in carrying costs through advanced predictive analytics and machine learning models using Python (Pandas, NumPy).
- Contributed to business intelligence initiatives, including reporting, data mining, data warehousing and querying, ensuring data consistency and accessibility.
- Performed ETL processes using Snowflake from various resources to data warehouses, SQL, and Python to ensure data consistency and accessibility.

## PROJECTS

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### Zillow Data Analytics

- Engineered an end-to-end data pipeline for Zillow Data Analytics using Python, RapidAPI, and Apache Airflow on an EC2 instance for efficient data acquisition and workflow orchestration.
- Utilized AWS services including S3, Redshift, and QuickSight for data storage, processing, and visualization, enabling comprehensive analysis and interactive dashboards of real estate trends.

### Electric Vehicle Analysis using Tableau

- Conducted a comprehensive analysis of electric vehicle usage in the USA from 2014 to 2024, utilizing interactive visualizations to reveal trends in total vehicle numbers, average electric range, and the distribution of BEVs and PHEVs across states.
- Developed a Tableau dashboard to provide insights into state-wise adoption rates, manufacturer preferences, and clean alternative fuel vehicle eligibility, facilitating data-driven decision-making for stakeholders.

## EDUCATION

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### Master of Science in Computer Science

University of Central Missouri, Lee summit, MO

January 2023 – May 2024

Courses taken: Advanced Algorithms, Advanced Database theory, Machine Learning, Neural networks and Deep Learning

### Bachelor of Technology in Electronics and Communication Engineering

Amrita School of Engineering, Bengaluru, India

August 2016 – June 2020

Courses taken: Soft Computing, Linear Algebra, Probability, Optimization techniques