Bhargavi Chukkapalli

Business Intelligence Developer

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SUMMARY

Business Intelligence Developer with 3+ years of experience in data analysis, ETL development and business intelligence. Skilled in SQL, Python, AWS (EC2, S3, Lambda, Redshift) and data visualization tools like Tableau and QuickSight. Adept at collaborating with cross-functional teams, managing Agile projects, and delivering data-driven solutions that achieve strategic business objectives

TECHNICAL SKILLS

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

PROFESSIONAL EXPERIENCE

Accenture pvt ltd, India
Business Intelligence Developer   October 2019 – December 2022

- Collaborated with data engineers and operations teams to implement ETL processes, writing and optimizing SQL queries for efficient data extraction, ensuring alignment with analytical requirements.
- Proficient in AWS services (EC2, S3, Lambda, Redshift, QuickSight), driving a 20% improvement in data processing efficiency, cost reduction, process automation, and faster analytics for data-driven decision-making.
- Analyzed over 500,000 real-time logistics and route optimization data points using Tableau and QuickSight. Identified inefficiencies and optimized fleet routing strategies, leading to a 20% reduction in transportation costs and enhanced delivery performance.
- Executed data reconciliation scripts using Python libraries like Beautiful Soup, Pandas, and NumPy, processing over 10 million data points with 97% accuracy.
- Automated ETL workflows using Snowflake, reducing manual effort by 70% and enabling data availability for analysis.
- Produced detailed analytical reports by executing SQL queries on relational databases, delivering in-depth business analytics and insights to inform decision-making.
- Utilized Business Intelligence tools, including data warehousing, reporting and querying tools, Data mining, and advanced spreadsheets.
- Cleaned, transformed, and manipulated data to optimize reporting and analytics workflows, ensuring data consistency and accuracy across various business processes.
- Designed data models for relational databases, enhancing data retrieval efficiency and enabling real-time fleet insights.
- Streamlined data processing tasks using advanced Excel functions, including pivot tables and VLOOKUPs, enhancing reporting efficiency and accuracy.
- Created 20+ Tableau and QuickSight visualizations, driving a 20% increase in campaign ROI and improving stakeholder decision-making.
- Built predictive models using Python and Scikit-learn, reducing carrying costs and improving model performance with feature selection and normalization.
- Coordinated Agile Scrum meetings with LOB and Data Operations teams, improving issue resolution and collaboration, resulting in faster project completion times in information technology projects.

PROJECTS

Zillow Data Analytics

- Constructed a robust data pipeline for Zillow Data Analytics using Python, RapidAPI, and Apache Airflow on an EC2 instance, optimizing data acquisition and workflow processes to enhance processing speed by 30%
- Deployed an AWS-integrated data framework featuring S3, Redshift, and QuickSight; improved visualization, reduced manual reporting and expedited trend analysis

Electric Vehicle Analysis using Tableau

- Analyzed electric vehicle usage trends across the U.S. from 2014 to 2024, using interactive visualizations to showcase increases in vehicle numbers, average electric range, and state distributions of BEVs and PHEVs
- Built an interactive Tableau dashboard that visualized state-wise adoption rates, manufacturer preferences, and clean alternative fuel vehicle eligibility

EDUCATION

Master of Science in Computer Science
University of Central Missouri, Lee summit, MO   May 2024
Bachelor of Technology in Electronics and Communication Engineering
Amrita School of Engineering, Bengaluru, India   June 2020