

Vishnusai Bhadramraju

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SUMMARY

Result-oriented Data Analyst with over 3 years of hands-on experience in utilizing advanced analytical tools including Java, Python, SQL and Tableau, PowerBI. Proficient in translating raw data into actionable business strategies, optimizing organizational efficiency, and facilitating data-informed decision-making. Experienced in business practices across product, finance, marketing, and technology.

TECHNOLOGY SKILLS

Languages & Frameworks: Python, Java, SQL, Spark, ETL, SparkSQL, HDFS architect, SaFE, HTML, CSS, Jenkins, Kafka
Databases: SQL (PostgreSQL, OracleDB - PL/SQL), Snowflake, MSSQL, MYSQL, VBA Macros, confluence
Others: Data Structures and Algorithms, Data preparation, Stored Procedures, Window Functions, Tableau, PowerBI, Pandas, Matplotlib, Supervised learning Algorithms, NumPy, Index Match, Power Query, Data Modelling, Advanced Excel, REST APIs, Hadoop, Pipeline, Microservices, AZURE, Teradata, Microsoft office suite, GIT

WORK EXPERIENCE

Data Analyst

Kleo, Remote, US

Dec 2022 – Present

- Spearheaded development, design, and deployment of data aggregation, optimizing accuracy by 10%, and transformed data into both ad-hoc and structured continuous insights.
- Developed advanced data analytics solutions for customer segmentation, optimization, and prescriptive analytics.
- Applied statistical methods and validated algorithms for customer behavior analysis to reveal trends and growth opportunities.
- Monitored data quality, performed validation checks, and resolved data-related issues to maintain integrity.
- Designed and built robust metric frameworks, KPIs, and reporting mechanisms, reducing reporting time by 25%.
- Collaborated with product stakeholders to understand data pipelines and provided impactful automated solutions.

Advanced Skills: Snowflake, data engineering, Python, SQL, statistical analysis (Chi-square test, T-test), A/B Testing.

Data Analyst Assistant

Jan 2022 – Nov 2022

University at Buffalo, Buffalo, NY

- Enhanced query, reducing average query response time by **40%** through **optimized joins, stored procedures, and complex queries**. Implemented indexing strategies resulting in a **50%** improvement in database retrieval rates
- Meticulously manipulated databases, ensuring data accuracy, reliability, and integrity by validating against all normalization forms.
- Coordinated comprehensive analysis on Walmart sales dataset using Python and ML libraries.
- Applied machine learning algorithms to extract patterns, resulting in a 25% increase in sales prediction.
- Designed and optimized a high-volume relational NBA player statistics database using PostgreSQL and SQL.
- Worked within area and used professional procedures and practices to achieve objectives.

Data Analyst

Airosspace, Chennai, India

Dec 2020 – Dec 2021

- Developed an advanced supervised learning model for air quality prediction with 85% accuracy.
- Analyzed large structured and unstructured datasets, tackling advanced mathematical and statistical challenges.
- Implemented and evaluated multiple supervised learning algorithms to identify the optimal model for enhanced performance.
- Collaborated with analysts and data scientists to document and implement business objectives and data solutions.
- Identified and suggested ideas for reducing effort spent on data management and analysis by using automation or by process optimization, working with senior team members on implementation and testing.

PROJECTS

ETL Pipeline Development (Skills: Python, SQL, ETL, Data Warehousing, Apache Airflow, PySpark, Kafka, Jenkins, Confluence)

- Designed and implemented an ETL project to automate the extraction, transformation, and loading of customer banking data from the company's central database into Kafka using PySpark.
- Utilized Python and SQL to perform data extraction and transformation tasks, ensuring data quality and consistency.
- Employed PySpark for efficient data processing and transformation, significantly reducing data processing time.
- Integrated Jenkins for continuous integration and Confluence for documentation and collaboration.

Data Pipeline for weather Data (Skills: Python, ETL, Apache Airflow, Amazon EC2, Amazon S3, VSCode)

- Created a data pipeline using Apache Airflow, Amazon EC2, and Python to extract data from weather data APIs.
- Transformed the extracted data using Python and ingested it into Amazon S3 buckets.
- Automated the ETL process using Apache Airflow by creating Directed Acyclic Graphs (DAGs) to schedule and manage the workflow.

Interactive Dashboards (Skills: Tableau, Powerbi)

- Designed interactive dashboards using Tableau, Powerbi to Indicate Key Point Metric(KPIs) by leveraging advance features.

EDUCATION

University at Buffalo, The State University of New York (SUNY), Buffalo, New York

Jan 2022 – May 2023

Degree: Master of Science in Computer Science and Engineering. **GPA:** 3.6/4

Vel tech University, Chennai, India

Aug 2017 – May 2021

Degree: Bachelor of Technology in Computer Science. **GPA:** 3.7 /4

CERTIFICATIONS

- [SNOWFLAKE](#)
- [Apache Spark](#)
- [APIs and Webservices](#)