Yalla Reddy Sadum Chinnapareddigari

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EDUCATION

University Of Texas at Dallas, Dallas, TX August 2022 – May 2024
Master of Science in Information Technology and Management GPA: 3.7/4.0
Coursework: Predictive Analytics, Business Analytics, Advanced Statistics, Data Visualization, Econometrics & Time Series Analysis

Gitam University, Vishakhapatnam, India June 2018 – April 2022
Bachelor of Engineering in Computer Science and Engineering GPA: 8.3/10.0
Coursework: Database Management, Cloud Computing, Machine Learning, Big Data, Data Mining, Python, Deep learning

TECHNICAL SKILLS

Languages/Databases: Python, R, SQL, MATLAB, Azure, MongoDB
Tools/Libraries **:** Tableau, Power BI, Excel (VBA, Power Pivot), NumPy, Pandas, SciPy, Matplotlib, Databricks, Azure Data Factory, Tidyverse (ggplot2, dplyr)
Skills : Data Engineering, Data Analysis, Business Intelligence, Statistical Modeling, Data Visualization, Data Quality Assurance, Collaboration & Communication

WORK EXPERIENCE

Community Dreams Foundation, FL September 2024 – Present
Data Engineer | Python, Azure, SQL, Docker, Databricks, Apache Spark, Data Warehousing, Machine Learning Frameworks.

- Spearheaded the design and implementation of scalable data pipelines, data lakes, and data warehouses using Azure cloud services, optimizing the infrastructure for seamless data storage, retrieval, and complex analytics tasks.
- Integrated data from multiple internal and external sources to build comprehensive data models and structures, improving data accessibility and enabling deeper insights for business intelligence.
- Led the optimization of data solutions for performance, scalability, and reliability by leveraging Azure SQL, Databricks, ADLS, Blob Storage, and Azure Data Factory (ADF), ensuring efficient data processing for both real- time and batch deployments.
- Developed and maintained robust technical documentation for data engineering solutions, collaborating with stakeholders to ensure clarity while deploying AI and machine learning-ready data infrastructures to support advanced analytical models

New Market Services (Afton Chemicals), VA May 2023 – April 2024
Data Analyst Intern | Python, R, Pandas, NumPy, SciPy, Matplotlib, Power BI, Power Query, SQL, Data Visualization, Statistical Analysis, ggplot2, dplyr, Excel (Power Pivot), Dashboard Design, Data Modeling.

- Improved operational efficiency by 25% by developing and optimizing data models using Python and R, enabling advanced data analysis and generating actionable insights.
- Enhanced data processing efficiency by 30% by utilizing Pandas and NumPy for data manipulation and analysis, ensuring accurate and high-quality datasets for further analysis.
- Facilitated data-driven decision-making by conducting statistical analysis with SciPy and creating detailed visualizations with Matplotlib, resulting in clear and impactful data presentations.
- Improved stakeholder understanding of data trends by creating complex visualizations using ggplot2 and dplyr in R, contributing to more informed business strategies.
- Increased data accessibility by 35% by designing and maintaining interactive dashboards in Power BI, enhancing stakeholder engagement through real-time insights.
- Reduced manual data processing time by 40% by developing and optimizing data transformation processes using Power Query Editor in Power BI, streamlining data integration and analysis.
- Improved reporting accuracy by 20% by implementing advanced data modeling techniques in Microsoft Excel, including Power Query and Power Pivot, to support ad hoc reporting and detailed data analysis.

HDLC Technologies, Chennai December 2020 – May 2022
Data Analyst | Python, SQL, NumPy, Pandas, Tableau, Data Cleaning, Data Wrangling, Excel, Data Analysis, Statistical Analysis, Data Visualization, Reporting, Automation.

- Analyzed large datasets using Python and SQL to extract actionable insights and created comprehensive reports and dashboards for stakeholders, highlighting key metrics and trends.
- Utilized NumPy in Python for efficient data manipulation, handling complex array operations and performing mathematical computations on large datasets.
- Utilized Pandas for data analysis and statistical calculations on structured data, while implementing interactive Tableau dashboards to provide real-time insights and support data-driven decision-making.
- Performed advanced data cleaning and wrangling techniques, such as handling missing values, detecting and resolving data inconsistencies, to ensure the integrity and quality of the data used for analysis.
- Optimized and automated data cleansing, extraction, and analysis processes in Excel, reducing data processing time and enhancing efficiency in financial health metrics analysis