Sumadhuri Jalakam Devarajulu

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OBJECTIVE:

Experienced Data Analyst with over five years in the field, aiming to apply analytical and technical skills in SQL, Python, Tableau and many more to enhance data-driven decisions and support business growth in a dynamic organization.

EDUCATION

California State University East Bay   **August 2022 - May 2024**
Master's in Business Analytics   *GPA: 3.8*

Sree Vidyaniketan Engineering College, Tirupati   **June 2013 - May 2017**
Bachelor's in Computer Science and Engineering   *GPA: 3.72*

TECHNOLOGY SUMMARY

Programming Languages: Python (pandas, NumPy, Matplotlib, TensorFlow, scikit-learn, Plotly), R, Scala
Data Visualization Tools: Tableau, Microsoft PowerBI, MS excel, PowerPoint (Advanced)
Database: MS SQL Server, PostgreSQL, MongoDB, NoSQL, Snowflake, Google BigQuery
Skills: Hive, Hadoop, PySpark, Databricks, AWS (Lambda, Redshift, S3), Azure, Advanced Excel - including pivot tables, Macro, Power Pivot, Airflow, Jira, Git, TensorFlow, PyTorch, Asana, Trello, Talend, Informatica, data governance & data privacy laws

PROFESSIONAL EXPERIENCE

Carl Zeiss Meditec   **Dublin, California**
Data Analyst Intern   May 2023 to December 2023

- Collaborated with senior analysts to create Sales and Service Operations Power BI dashboards, resulting in a 25% increase in data analysis efficiency. Implemented Power BI tools company-wide, leading to an improvement in data processing speed.
- Validated and fine-tuned machine learning models to improve predictive accuracy and performance, leading to a 15% improvement in model efficiency.
- Conducted thorough analysis of program outputs to identify and rectify recurring error patterns, reducing system errors and improving overall reliability.
- Assisted in the development and optimization of Extract-Transform-Load (ETL) processes using Python, enhancing data integration efficiency by 25%.
- Automated complex reporting processes using SQL Server Reporting Services, reducing manual effort by 30% and improving report generation speed.
- Collaborated with cross-functional teams to integrate ML algorithms into the ETL pipeline, resulting streamlined data processing and insights generation.
- Used adv SQL techniques to create dynamic, multi-dimensional reports in SSRS, enabling stakeholders gain insight into business performance metrics.
- Documented and maintained comprehensive records of model validation processes and ETL workflows, ensuring transparency and consistency in data handling practices. Acquired in-depth knowledge of Salesforce, SAP, & financial Sales Operations Business, improving strategy execution.

Fractal Analytics   **Bangalore, India**
Senior Data Analyst   December 2021 to July 2022

- Created and managed Power BI Reports dashboards to help management teams make decisions 40% more efficiently, with 99.9% data accuracy and compliance with security protocols.
- Streamlined decision-making processes by utilizing Excel functions and SQL queries to extract critical insights, paired with the development of prototype data views using SQL and Python for BI tools like Tableau, significantly enhancing data visualization and reporting efficiency.
- Analyzed and structured over 32 TB of data through parallel processing and created interactive Tableau dashboards for real-time consumer insights, boosting customer engagement by 25%.
- Conducted detailed customer journey analysis using Adobe Analytics, resulting in a 15% improvement in customer engagement metrics.
- Collaborated with various departments to define and prioritize data analysis projects, leading to actionable recommendations for process growth and improvements and contributing to a 15% reduction in stockouts through the development of predictive inventory models.
- Innovated Automated ETL processes, reducing manual workload by 29% monthly. Analyzed and provided quantitative financial analysis data responses for audit and compliance, contributing to strategy execution through optimization and change management.
- Implemented SaaS solutions & automated workflows to enhance process efficiency, resulting in reduction in operational costs and increase in productivity.
- Developed machine learning models for anomaly detection in high-volume data streams, improving 29% detection accuracy and reducing false positives.

Cognizant Technology Solutions   **Chennai, India**
Data Analyst   May 2017 to December 2021

- Used Python to analyze complex data, using methods like linear and logistic regression. This helped us uncover valuable insights that improved our business strategies and operations. By automating data analysis tasks, we were able to make our workflow 30% more efficient.
- Skilled in SQL for data querying, Python for data manipulation, and BI tools like Tableau and Power BI for creating dashboards and reports, making reports 40% more accessible. I also enhanced data querying in Hadoop ecosystems using Apache Hive.
- Developed machine learning models with TensorFlow for time series analysis, achieving a 23% increase in accuracy. By enhancing neural network architectures with PyTorch, we improved model performance by 15%.
- I was involved in all phases of the Data Warehousing and Analytics Lifecycle (DALC), significantly contributing to data warehousing designs that optimized data flow, resulting in a 20% reduction in storage overhead.
- Implemented Teradata in analytics projects, streamlining ETL processes and improving query efficiency by 25%. By enhancing sentiment analysis and text classification with NLTK, we increased process efficiency by 15%.
- Led projects using A/B testing and advanced analytics, leading to a continuous improvement in our product offerings and customer satisfaction metrics.
- Used pandas for data cleaning and complex analyses, resulting in a 30% decrease in data processing time. By integrating analysis tools with Python, we enhanced data flow into visualization platforms and optimized batch jobs by 20%.
- Applied my quantitative analysis expertise using statistical packages like R, SAS, and MATLAB to conduct studies and predictive modeling, contributing to a 15% improvement in forecasting accuracy.