Vijay Kumar Data Analyst

Vkuchibhotla@jobhuntmails.com | 774-999-4303 | MA, USA | LinkedIn | GitHub

Summary

Data analyst with 3+ years of experience in statistical and descriptive analysis, machine learning, and data visualization. Excellence in Python, SQL, Excel, and tools like Tableau, and Power BI. Expertise in predictive modeling, feature engineering, and data cleaning. Optimizing business processes through actionable insights and collaborative problem-solving. A detail-oriented professional committed to delivering high-quality results.

Technical Skills

- **Programming Languages:** Python, SQL, NoSQL, JavaScript, Shell, Scala, MATLAB
- **Frameworks & Tools:** NumPy, Pandas, Matplotlib, GitHub, Docker, CI/CD, Statistics, SAS, PySpark, ggplot2, Snowflake, Seaborn, Sci-kit Learn, Jira, Ad hoc, KPI Analysis, Automation Power Query
- **Databases:** MySQL, MS-SQL, PostgreSQL, MongoDB, Redshift, Snowflake, Big Query
- **Data Analysis & Others:** Power BI, Tableau, Excel, AWS, Google Analytics, ML, Data (Modeling, Mapping, Mining, Extraction), Power BI, Apache Spark, Data Bricks, Jira, Agile, Data Warehouse

Professional Experience

Data Analyst, SynergisticIT   01/2023 -Present | Remote, USA

- Directed the end-to-end data engineering process for analyzing New York City parking ticket data to extracted and processed datasets using PySpark and Python, addressing data quality issues and integrated Azure Databricks for scalable deployment, establishing a robust foundation for distributed computing and streamlined data workflows.
- Implemented efficient data transformations and models with SQLAlchemy, ensuring optimal storage and retrieval. Conducted extensive exploratory data analysis (EDA) to reveal insights into parking ticket patterns.
- Utilized Databricks cloud environment for scalable and flexible deployment, proficiency in cloud-based data engineering. Set up a robust foundation for distributed computing and streamlined data processing workflows.
- Developed and optimized SQL queries for complex data manipulations, facilitating in-depth analysis of parking ticket data. Leveraged SQL skills to aggregate and derive valuable insights from diverse datasets and Developed SQL queries using Azure Synapse Analytics, enabling detailed analysis of parking ticket data
- Created interactive visualizations and dashboards in Tableau to present key findings. Enhanced data-driven decision-making by providing accessible and visually compelling reports on parking ticket trends and anomalies.

Data Analyst, *Genpact Solution*   01/2018 – 06/2021 | Pune, India

- Spearheaded the design and implementation of tailored data solutions for over 20 business user groups, leveraging extensive interactions to identify and address specific business and technical requirements.
- Utilized Python for data processing, SQL for database interactions, and various Python libraries (Pandas, NumPy, and Matplotlib) for data manipulation, analysis, and visualization to deliver high-quality data insights.
- Utilized AWS Cloud Services, including Airflow and Redshift, to architect, develop, and optimize enterprise data platforms, achieving a 30% processing speed boost and 25% infrastructure cost reduction.
- Deployed Azure Cloud Services such as Azure Data Factory and Azure SQL Database to streamline data workflows and enhance scalability, contributing to a 20% improvement in data processing efficiency.
- Implemented Azure DevOps for continuous integration and deployment (CI/CD), automating deployment processes and reducing deployment times by 50%.
- Designed and delivered data ingestion solutions aligned with Product Owner requirements, ensuring precise data alignment and reducing data ingestion errors by 95%.
- Conducted code reviews to ensure adherence to development standards, improving code quality by 20%, and implemented Power BI for interactive reporting, enhancing decision-making efficiency by 40%.

Education

Master of Science, *University of Massachusetts*   08/2021 - 05/2023| MA, USA
Data Science
Bachelor of Engineering, *GIET Global*   08/2015 - 05/2019 | Andra Pradesh, India
Computer Engineering