Nikshith Reddy Sheelam

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TECHNICAL SKILLS

Core Data Analysis & Programming: SQL, Python (Pandas, NumPy), R, PySpark, C, C++, Java, JavaScript, HTML, CSS
Business Intelligence & Reporting: Power BI (DAX, Power Query), Tableau, Excel (Advanced), SSRS, SSAS, Seaborn
Database & Data Platform: SQL Server, Azure SQL, MySQL, Oracle DB, PostgreSQL, MongoDB, NoSQL, Amazon Redshift
Data Engineering & Automation: SQL-based automation (stored procedures, triggers, scheduled actions), CI/CD, Docker
Cloud Platforms: Azure, AWS, Google Cloud Platform, Oracle Cloud
Analytics & Development Tools: Google Colab, Jupyter Notebook, RStudio, Visual Studio, Git, GitHub
Operating Systems: Windows, macOS, Linux

EDUCATION

University of Missouri, Kansas City, Missouri (GPA: 3.66/4)   Graduated: May 2024
Master of Science: Computer Science
Institute of Aeronautical Engineering, Hyderabad, Telangana (GPA: 3.30/4)   Graduated: May 2022
Bachelor of Science: Electronics and Communication Engineering

PROFESSIONAL WORK EXPERIENCE

Accountability Data Analyst   Nov 2024 – Present
Kansas City Public Schools, Kansas City, Missouri
- Develop and maintain **SQL Server / Azure SQL triggers** and automated actions to validate and correct student data, ensuring accurate, compliant student records**.**
- Design, build, and optimize **Power BI dashboards** and **SSRS** reports for district and school leadership, improving access to key metrics and reducing reporting turnaround **time by 20–25%.**
- Implement **data validation**, reconciliation, and **QA** workflows within SQL and BI systems, ensuring audit-ready, high-quality data for accountability reporting.
- Perform **statistical analysis**, calculations, and projections as a **team contributor** for MSIP submissions to MOSIS, supporting **100% on-time**, compliant state reporting.
- Execute **sandbox testing** and production validation of SQL logic, dashboards, and reports, reducing downstream **reporting errors by 25%**.
- **Collaborate with IT**, data engineering, and SIS teams to resolve data integration issues, validate data loads, and maintain consistent datasets across development and production environments.

Data Analyst, Volunteer   Jul 2024 – Jan 2025
WeCodeKC, Kansas City, Missouri
- Implemented **logistic regression models** to analyze factors influencing student retention, improving at-risk student **predictions by 25%.**
- Streamlined data integration and **ETL** using **Python (Pandas, NumPy) and SQL**, reducing processing time by 50% and ensuring data consistency.
- Built dynamic **Tableau dashboards** showing real-time student engagement and course effectiveness, improving decision-making speed by 15%.
- Conducted statistical analysis with **R** and Python (Pandas, NumPy, scikit-learn) to assess program impact, enhancing student **retention by 10%.**
- Optimized **Spark and Hadoop** data pipelines, improving processing **efficiency by 30%** and automating Python-based data cleaning to **reduce manual work by 50%.**

Student Technical Assistant   Jun 2023 – May 2024
University of Missouri-Kansas City, Kansas City, Missouri
- Improved **SQL queries** by implementing indexing and partitioning techniques, significantly reducing data retrieval times by 30% and enhancing overall database efficiency and performance.
- Automated data cleaning tasks using Python with Pandas, cutting down manual **processing time by 50%.**
- Established a **MySQL** database to centralize over 1,000 student records, improving **data access speed by 40%.**
- Created Tableau dashboards and **SSRS** reports to support data analysis and reporting needs.
- Led a data migration project using **SSIS for ETL**, finishing two weeks ahead of schedule with no data loss.
- Trained 50+ users on **SQL, Excel, and Tableau**, leading to a **25% increase** in effective use of these tools.

TECHNICAL PROJECTS

Movie Ratings Analysis   Apr 2024
- Analyzed ~**20,000** movie ratings using **Python (Pandas, NumPy) and SQL** to identify trends in viewer preferences.
- Performed **data cleaning, aggregation, and exploratory data analysis (EDA)**, improving dataset **usability by 30%.**
- Computed **statistical** summaries (average ratings, rating distribution, top genres) to highlight key patterns.
- Created interactive dashboards and visualizations using **Tableau**, showing genre popularity, rating trends, and most-watched movies.
- Built reusable **Python-SQL workflow** to automate data preprocessing, aggregation, and visualization updates for new ratings data.

Retail Sales Analysis   Oct 2023
- Cleaned and aggregated a dataset of ~**40,000** retail transactions using **Python (Pandas, scikit-learn, SciPy)**.
- Conducted **statistical analysis**; top 20% of products contributed ~55% of revenue; peak months ~25% higher average sales.
- Built **visualizations with Matplotlib and Seaborn** to highlight weekly/monthly sales trends, revenue distribution, and top-performing products.
- Developed **Python scripts to automate preprocessing and reporting**, reducing manual preparation **time by ~20%.**

Big Data Analytics of Mobile Applications   Jan 2023
- Processed a dataset of ~**1 million** mobile app events using **HDFS, Hive, and Spark**, performing **aggregation, filtering, and ETL preprocessing** for analysis.
- Built **HiveQL queries** to extract insights on user activity and location patterns.
- Created **Power BI dashboards** to visualize daily active users and engagement trends, enabling faster analysis of usage patterns by ~15%.
- Implemented **data pipelines** to clean and transform incoming datasets, reducing manual preprocessing by ~20%.

CERTIFICATIONS

Google Data Analytics Professional Certification

RELEVANT COURSEWORK

Principles of Big Data Management, Principles of Data Science, Introduction to Statistical Learning, Data Structures and Algorithms, Object-Oriented Programming, Business Economics and Financial Analysis, Applied Cryptography