

SAI DEEKSHITH CHINTHALWAR

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SUMMARY

Innovative Data Analyst with around 5 years of expertise in crafting efficient data pipelines, optimizing data transformation workflows, and leveraging cloud platforms such as Azure Synapse, AWS Glue, and Apache Spark. Skilled in Python, SQL, and advanced data visualization tools, including Power BI and Tableau. Demonstrated proficiency in real-time analytics, cloud migration strategies, and deploying machine learning models to drive data-driven insights and decision-making.

TECHNICAL SKILLS

Programming Languages: C, C++, Java, Python, R
Libraries: PyTorch, TensorFlow, scikit-learn, Keras, Pandas, NumPy, SciPy, Matplotlib, XGBoost
Databases & Visualization: MySQL, MongoDB, SAS, Power BI, Tableau, Qlik Sense, QlikView, Power Automate, Power Apps
Cloud Platforms: Azure (Databricks, Data Factory, Synapse, Delta Lake, DevOps), CI/CD, AWS (S3, Redshift, Glue, Lambda, EC2)
Big Data Technologies: Apache Spark, Apache Kafka, Apache Hive, Apache Airflow, Snowflake, ETL
Certifications: Azure Data Fundamentals (DP-900), Azure Data Engineer Associate (DP-203)

PROFESSIONAL EXPERIENCE

Regeneron Pharmaceuticals, USA: Data Analyst July 2024 – Present

- Led cross-functional workshops with business units and SMEs to gather requirements for workflow automation and reporting improvements.
- Developed and maintained detailed process models and diagrams using Microsoft Visio.
- Managed requirements and tracked backlog using Azure DevOps, ensuring Agile sprint alignment.
- Wrote complex SQL queries for data validation, reporting, and KPI monitoring.
- Created and maintained test plans and test cases, working with QA to ensure high-quality deliverables.
- Authored user stories, functional specs, and technical documentation for system enhancements.
- Supported system rollouts and change management using ServiceNow and structured documentation.

University at Albany, Albany, NY: Research Assistant August 2023 – May 2024

- Optimized data processing performance by leveraging AWS Glue, Spark, Scala, and Kinesis, resulting in a 35% improvement in execution speed. AWS Data Pipelines and Elasticsearch were implemented to maintain data accuracy and integrity in S3.
- Enhanced query efficiency in MySQL by utilizing advanced SQL techniques such as joins, subqueries, and aggregate functions, leading to a 10% reduction in response times.
- Improved data accessibility and analytics by integrating AWS S3 with Snowflake for data warehousing. Established a seamless connection between Snowflake and Power BI to enable real-time insights and interactive visualizations.
- Strengthened business-critical decision-making by developing and delivering insightful reports through Tableau and Power BI, increasing efficiency by 15%.

COGNIZANT, Chennai, India: Data Analyst August 2020 – July 2022

- Designed and implemented Python-based data processing workflows using Pandas, NumPy, and Scikit-learn reducing manual effort by 12% and expediting report delivery.
- Optimized data retrieval by utilizing advanced SQL techniques, including subqueries, stored procedures, and CTEs, achieving a 20% improvement in efficiency.
- Automated recurring reporting tasks through Excel macros and VBA, leading to a 40% reduction in manual workload and enhanced reporting efficiency.
- Performed statistical analyses such as hypothesis testing and A/B testing, contributing to a 26% improvement in product performance insights for strategic decision-making.
- Enhanced user engagement by 48% through the development of interactive Power BI dashboards, incorporating advanced DAX calculations and custom KPIs.

ACADEMIC PROJECTS

ESTIMATION OF OBESITY LEVELS BASED ON EATING HABITS AND PHYSICAL CONDITION

- Conducted multivariate analysis to predict obesity levels in populations from Mexico, Peru, and Colombia. Applied machine learning techniques, including classification, regression, and clustering, to derive actionable health insights.

Data Migration

- Designed and executed a comprehensive data migration strategy from Amazon S3 to Azure SQL Server using Azure Data Factory. Implemented data filtering, staging, and transformation to ensure seamless transitions and data integrity.

EDUCATION

University at Albany, Albany, NY Aug 2022 - May 2024
Master's in Data Science 3.87/4.0