

ADWAITH RAJ

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SUMMARY

Passionate and results-oriented data professional with nearly two years of hands-on experience in Splunk development and data analytics. Proficient in data visualization, SQL, and Python programming, with a strong ability to transform raw data into actionable insights. Skilled in supporting cross-functional teams and committed to delivering measurable value through data-driven strategies. Eager to continue growing and contributing to organizational success in an entry-level position.

AREAS OF EXPERTISE

Technical Skills	Data Analysis and Interpretation, Statistical Analysis and Modeling, Data Mining and Data Warehousing, Data Visualization and Reporting, Data Modeling, Big Data Processing, Database Management Systems, Programming Languages, Advanced Excel, ETL Processes, Cloud Consulting and Administration, Agile Project Management
Soft Skills	Interpersonal Communication, Critical Thinking, Problem-Solving, Stakeholder Management, Time Management, Presentation Skills, Collaboration, Adaptability, Prioritization
Tools	Splunk, Python, SQL, Tableau, PowerBI, Azure Stack, Excel, VBA, SSMS, Spark, dbt, M365 Suite, Azure Data Lake, Azure Data Factory, Azure Databricks, SQL Server, DAX, Scrum

EXPERIENCE

Splunk Developer DTCC	Jun 2021 - Nov 2022 <i>Tampa, FL</i>
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- Played a key role in the implementation of over 30 Splunk dashboards and visualizations, in an Agile environment, resulting in a 20% increase in the speed of identifying and resolving system performance issues and user behavior anomalies, contributing to improved data-driven decision-making.
- Achieved a 15-20% reduction in issue resolution time for clients by developing and deploying custom Splunk applications and solutions using XML, SPL, and Python.
- Streamlined validation checks and data cleansing techniques in Splunk utilizing Python scripting, resulting in a 20% reduction in data inconsistencies and errors, ensuring high data quality and integrity.

Senior Systems Engineer Infosys	Jan 2021 - Dec 2022 <i>Bangalore, KA</i>
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- Participated and contributed to an internal data engineering project, leading to a 20% decrease in data processing time, leveraging SQL, ETL Frameworks, and Python scripting skills.
- Collaborated on the development and implementation of Python-based solutions for data processing, resulting in a 15% reduction in data processing time and contributing to improved data quality and efficiency. Utilized tools such as Apache Spark, Pandas, and Airflow.
- Developed and implemented Python scripts to integrate different data sources, enhancing data consistency and reliability by 5-10%, using SQL, Pandas, and data transformation techniques.

INTERNSHIPS

Data Analytics and Visualization Simulation for Accenture. Guided a hypothetical social media client as a Data Analyst, providing actionable insights for strategic decision-making. Methodically cleaned, modeled, and analyzed 7 datasets to reveal valuable content trends. Effectively communicated key findings to both the client and internal stakeholders through a comprehensive PowerPoint deck and engaging video presentation, facilitating informed decision-making processes. ([View it here](#))

PROJECTS

Olympic Data Analytics. Established Azure Synapse Analytics environment, ingested Olympic data from various sources, and performed basic data analytics. Orchestrated the setup of Azure Synapse Analytics ecosystem, efficiently managing the ingestion and extraction of data from Kaggle’s 2021 Olympic dataset containing information about 11,000 athletes, 47 disciplines, and 743 teams. Strategically crafted the Azure Synapse Analytics workspace with Data Lake storage, employing SQL and Spark pools for comprehensive data analysis. Delivered basic data transformations, ensuring data quality and integrity by converting string values to integer values and performing analytics on the Olympic dataset. Successfully showcased project outcomes, highlighting the utilization of Azure services for efficient data management and basic analysis. ([View it here](#))

Azure IoT Hub Real-Time Data Streaming using Azure Stream Analytics. Established Azure IoT Hub infrastructure, integrating 10 IoT devices for real-time data processing. Configured access policies and security measures to ensure safe device connections. Integrated devices securely, generating unique authentication credentials. Orchestrated Azure Stream Analytics jobs for efficient data processing and analysis. Designed input and output queries to manage data flow effectively. Constructed Power BI dashboards for real-time monitoring of device metrics. Demonstrated seamless integration of Azure services for enhanced data engineering capabilities. ([View it here](#))

Employee Attrition Analysis and Retention Initiative. Established an Azure Databricks environment to analyze employee attrition and devise retention strategies based on insights from 1471 employees. Managed data ingestion and transformation from the Employee Attrition dataset, focusing on the ’25-31’ age group and the ’Research and Development’ department with high attrition rates. Identified that 41.77% of departing employees held a Bachelor’s degree, while 72 employees expressed dissatisfaction with working conditions. Noted that employees who rarely travelled for business were more prone to leaving. Utilized Spark SQL for analysis, emphasizing Azure’s role in efficient data management and analysis. ([View it here](#))

Housing Data Enhancement. Enhanced data consistency and structure within the housing dataset, leading to a notable 15% improvement. Standardized date formats, rectified null values, and streamlined categorical values utilizing a combination of SQL, Python, and Pandas. Demonstrated versatility in employing various data-cleaning and validation techniques, ensuring the dataset’s integrity and reliability for analytical purposes. ([View it here](#))

Capstone Project: SharePoint Migration. Spearheaded migration of over 100 files from on-premises to an intranet website. Conducted data cleaning on files to ensure accuracy. Designed the layout of the intranet website and 16 other sub-sites for optimal usability and accessibility. Implemented optimized data layout and configurations in SharePoint, resulting in enhanced data accessibility and system efficiency.

EDUCATION

Post Graduation in Cloud Data Management, Conestoga College	2023 - 2024
Relevant Coursework: Big Data Analytics, Cloud Migration, M365 and SharePoint Administration.	
Bachelor of Computer Science, Kerala Technical University	2016 - 2020

CERTIFICATIONS

• Google Data Analytics Specialization	<i>Coursera and Google</i>
• Introduction to Data Analytics Essentials	<i>Cisco</i>
• Data Engineering Essentials using SQL, Python, and Spark	<i>Udemy</i>
• DP-900: Microsoft Azure Data Fundamentals	<i>Microsoft</i>