AJITH SURAPARAJU

(*Data Engineer)*

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SUMMARY OF QUALIFICATION

Certified Data Engineer with expertise in designing, implementing, and optimizing batch and streaming data pipelines. Proficient in Python, SQL, Apache Spark, Databricks, and Microsoft Azure. Adept at ensuring data quality, operational stability, and compliance. Skilled in collaborating with cross-functional teams to deliver data-driven solutions that enhance decision-making and business growth.

CERTIFICATION

Microsoft Certified: Azure Data Engineer Associate — June 2024
Microsoft Certified: Azure Data Fundamentals — May 2024

TECHNICAL SKILLS

- Python
- SQL
- NoSQL
- GitHub
- Apache Spark
- Hadoop
- Hive
- Databricks
- Snowflake
- Teradata
- DynamoDB
- Apache Kafka
- Apache Airflow
- Power BI
- MS SQL Server
- Azure Services

PROFESSIONAL EXPERIENCE

People Tech Group Inc. — **Redmond, Washington**

Data Intern — August 2024 - Present

- Assisted in building and optimizing data pipelines, increasing data processing throughput by 40%, and ensured seamless integration of big data technologies for scalable processing, supporting real-time data analysis and decision-making.
- Collaborated with a global team to design and implement a data warehousing solution that reduced query times by 30%, improving the overall efficiency of data retrieval processes.
- Led the development and maintenance of ETL processes that streamlined data flow, resulting in a 25% reduction in data processing time, enhancing data accuracy and consistency across the organization.

Vega Techno Systems — **Pune, India**

Data Pipeline Optimization Specialist — May 2021 – July 2022

- Designed and implemented data pipelines using Azure Data Factory and Databricks, cutting processing time by 35%. Utilized Python and Azure Cloud services for efficient data processing and transformation.
- Implemented data security measures, reducing security incidents by 20%. Used Cloud Composer/Airflow and Dataflow/Data Fusion.
- Analyzed complex data structures and designed large-scale pipelines. Improved ETL efficiency by 40% using Teradata utilities. Engaged in agile activities and user story grooming to refine data workflows.
- Created data visualizations and reports with MicroStrategy and Power BI, aiding decision-making and strategic planning. Addressed industry-specific challenges in the Health Care/PBM domain, improving data accuracy and reporting speed by 25%.

Vega Techno Systems — **Pune, India**

ETL Process Engineer — August 2020 – May 2021

- Azure-based solutions boosted data processing by 300%, slashing latency by 40%. Leveraged Azure Data Lake and Azure Data Factory for optimized storage, cutting data retrieval time by 50%.
- Managed Databricks, Spark, and Python pipelines, ensuring 99.9% uptime. ML models improved accuracy by 20%. Collaboration enhanced actionable insights by 35%.
- Used SQL, Python, and Spark for structured and unstructured data, boosting pipeline performance by 45%. Integrated data from various sources via JDBC/ODBC & REST APIs, increasing availability by 60%.
- Employed Azure DevOps & Git, cutting deployment cycles by 25%. Developed RESTful APIs, reducing response time by 30%. Implemented monitoring tools, boosting system reliability by 40%.

ACADEMIC PROJECTS

Indiana Wesleyan University, — **Indiana, USA**

Data Engineer (Graduate Assistant) — January 2024 – April 2024

- Successfully deployed a comprehensive data engineering solution, leveraging cutting-edge and Cloud technologies, to provide the university athletic team access to extensive historical athletic records, enhancing data utilization. Increased data accessibility by 50%.
- Improved team preparation for upcoming games by enabling data-driven decision-making and analyzing past performance metrics. Achieved a 30% increase in game success rate.
- Facilitated collaboration among coaches and athletic staff with intuitive data visualization dashboards, enhancing performance insights. Reduced meeting times by 20% through streamlined discussions.

EDUCATION

Indiana Wesleyan University — **MS in Data Science. GPA: 3.93** — October 2022 – April 2024
Sri Venkateshwara University — **BS in Computer Science and Engineering. GPA:3.15** — August 2016 – May 2020