**SAVITHA**+1 609-357-4757

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**SUMMARY**

Over 9 years of experience in Data Visualization, ETL, and Business Intelligence. Expertise in Microsoft Power BI, SQL, ETL, Python and PySpark. Skilled in designing interactive dashboards, automating workflows, and leveraging advanced analytics to drive business decisions.

**WORK EXPERIENCE**

**Biglots Columbus, OH**
**Sr. Data Analytics Engineer** | **May 2024 – Present**

* **Led analytics engineering initiatives** analyzing 18+ months of historical sales data across multiple product categories to understand true item profitability by region, while processing real-time inventory movements using **Databricks on ADLS** for optimal performance and scalability
* **Designed system architecture for web application analytics platform** with **REST API** backend integration, enabling real-time data processing for Order Management System (Sterling OMS) and inventory monitoring (IBM SIP) with microservices architecture
* **Developed scalable web application backend** integrating multiple **APIs** (payment processing, inventory management, order routing) with **Databricks** as the data processing engine, handling 10,000+ concurrent transactions daily
* **Designed and implemented automated testing frameworks** using **Python** and **PySpark** for data pipeline validation, reducing manual testing efforts by 85% and ensuring data quality compliance
* **Created comprehensive technical documentation** including Business Requirement Documents (BRDs), Functional Requirement Documents (FRDs), and source-to-target mapping documents, translating complex business logic into **Gherkins** feature files for automated testing
* **Developed analytics-ready datasets** in **Databricks** using advanced **SQL** and **PySpark** transformations, enabling self-service analytics for Stores, Finance, and Sales teams
* **Built interactive Power BI dashboards** leveraging **Databricks** as the data source, implementing **Row-Level Security (RLS)** and automated refresh schedules for executive stakeholders
* **Led product data discovery efforts** to identify opportunities for maximizing business outcomes through workflow automation and analytics enablement, resulting in 30% improvement in operational efficiency
* **Mentored junior data engineers** on best practices for data modeling, pipeline validation, and business metrics interpretation
* **Collaborated cross-functionally** with Customer Service, Finance, and Operations teams to ensure alignment on business definitions and user stories, translating complex business logic into automated test cases

**Zoetis Columbus, OH**

**Analytics Engineer | Dec 2023 – May 2024**

* **Migrated legacy AERA reports to Power BI** with **Databricks** as the backend data platform, reducing subscription costs by 30% and improving report performance by 15%
* **Built robust ETL workflows** in **Databricks** extracting and transforming planning data from **SAP IBP** for **demand forecasting**, implementing automated data quality checks and validation processes
* **Designed scalable data models** for Production Forecast, Sales Forecast, and Sales Adjustment processes, achieving 40% faster processing time through optimized **PySpark** transformations
* **Implemented automated testing frameworks** for data pipeline validation using **Python** and **SQL**, ensuring data accuracy and consistency across cross-regional implementations
* **Created executive dashboards** with real-time KPI monitoring, leveraging **Databricks Delta Lake** for reliable data versioning and lineage tracking
* **Developed parameterized reports** and paginated reports using Power BI Report Builder, enabling dynamic filtering and improved stakeholder usability

**Lapetus Solutions Inc. Wilmington, NC Data Engineer Consultant | Aug 2023 – Nov 2023**

* **Developed automated data acquisition solution** using **Python** and **REST APIs** for web scraping mortality data, implementing **Databricks** workflows for data processing and validation
* **Enhanced client insights by 30%** through comprehensive **Power BI reports** on underwriting metrics, utilizing **Databricks** for advanced analytics and risk assessment modeling

**Capgemini**

**Client: Bayer**

**BI Consultant | Dec 2020 – Aug 2021**

* Reduced monthly manual reporting efforts by 90% by automating the data extraction, transformation and load process and creating a financial dashboard using **Tableau** for higher management of a leading pharma company to track KPIs like YTD sales, LE, LY, COGS, A&P, SG&A, GP, CAAP, and Contribution
* Single point of contact for all the support, deployment, and maintenance related activities for data loading process chains in SAP Business Warehouse on HANA.

**Infosys**

**Client: Epiroc, Syngenta**

**Business Intelligence Developer | Dec 2014 – Nov 2020**

* Worked on requirement gathering, Business Requirement Document creation, Technical Specification document creation, UAT test script creation, UAT support, and hyper care support activities.
* Worked on SAP BI, **Tableau** applications and provided support and maintenance to 100% of client-critical applications.
* Involved in ETL development, enhancements, and development of Reporting application.
* Developed HR, pricing, inventory management, financial planning reports and dashboards by interpreting insights in data for driving business decision making solutions using SAP BEX, **Tableau** and Tableau dashboards for higher executives of one of the top 10 leading agricultural companies in the world.
* Recommended solution and prototypes to increase system effectiveness by 70% by developing a data quality framework and maintaining data governance.
* Performed RCA while handling incidents and tickets by providing solution & preventive measures within defined SLA’s.

**University of North Carolina Wilmington**

**Research Assistant**

* Capstone Research: Statistical Analysis and Survey of ChatGPT tool in Computing Education. Performed t-tests and calculated p-values for different groups of data collected (**Python**)
* American Hospital Association (AHA): Extracted insights from AHA survey data in **Python** and applying Machine Learning techniques for hospital market segmentation. Achieved an accuracy of 78%
* Deep-Learning (Computer Vision): Developed a solution for fall detection within SoccerNet data, using object detection framework YOLOv3. Achieved an accuracy of 83% (**Python**)

**CERTIFICATIONS**

Power BI Data Analytics CodeBasics ([Aug 2023](https://codebasics.io/certificate/CB-49-124847))

Microsoft Certified: Azure Enterprise Data Analyst Associate ([Aug 2023](https://learn.microsoft.com/en-us/users/savitharachuri-0567/credentials/ddb6be4274bc8733))

Practical Data Science on the **AWS** Cloud Specialization ([June 2023](https://coursera.org/share/dd970828d4a4189d1c67cc6071e286c6))

**TECHNICAL SKILLS**

**Languages**: T-SQL, SQL, Python, R

**Database**: MySQL, PostgreSQL, Oracle, HANA

**Cloud Databases**: ADLS, Databricks

**Libraries**: Pytorch, Tensorflow, Keras, OpenCV, Sklearn, Pandas, Numpy, PySpark

**Developer Tools**: JupyterNotebook, SAP Netweaver, Git, Snowflake, Oracle

**Data Visualization**: Tableau, Microsoft PowerBI, SAP Business Objects, Matplotlib, Shiny, Seaborn

**EDUCATION**

**University of North Carolina Wilmington**

*Master of Science in Computer Science and Information Science*

**Osmania University**

*Bachelor of Engineering in Computer Science and Engineering*