

# ARUNCHANDRA BATTULA

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## PROFESSIONAL SUMMARY

Data Analytics professional with 4 years of experience in **SQL** development, **ETL/BI** implementation, and data warehouse design. Expert in building end to end **data pipelines** using **SSIS, SSAS, SSRS**, and cloud platforms (**AWS, Azure, GCP**). Proficient in visualization tools (**Tableau, Power BI, Looker**) and statistical modeling achieving 75%+ accuracy. Proven track record in financial and healthcare analytics with HIPAA compliance. Skilled in **Python, SAS**, and generative AI tools (**ChatGPT, Claude**) for **analysis acceleration, Deep Learning** and **query optimization**.

## TECHNICAL SKILLS

**Languages & Databases:** SQL, Python, R, Java, C/C++, Oracle, MySQL, Teradata, MongoDB, PL/SQL

**Cloud & Data Platforms:** AWS (S3, Redshift, Lambda, Glue, SageMaker), Azure (Data Factory, Databricks, ML, Blob Storage), GCP (Vertex AI), Snowflake, SnapLogic, BigQuery.

**BI & Visualization:** Tableau, Power BI, Looker, QuickSight, Cognos, Excel (VLOOKUP, Pivot Tables), Hex.

**Data Engineering:** SSIS, Apache Spark, Kafka, Hadoop/HDFS, Airflow, Matillion, Fivetran, Snowpipe, Alteryx

**Analytics & ML:** SAS, TensorFlow, PyTorch, Scikit-learn, Pandas, NumPy, Statistical Modeling, A/B Testing

## EXPERIENCE

### **Data Analyst | Cardinal health, USA**

**August 2023 – Present**

- Extensively used SAS and complex SQL queries using joins, CTEs, window functions, and aggregations to support financial and healthcare analytics for ETL processing 2M+ records daily from Databases like Oracle and DB2.
- Conducted statistical Analysis, Analytical data modeling using **dbt** and data mining using **SAS/Base, SAS/SQL, SPSS**, and automated processes with **SAS Macros**.
- Applied machine learning algorithms (regression, classification, clustering, random forest, neural networks) using **MLFlow** achieving 75%+ model accuracy.
- working closely with cross-functional teams like data scientists, software engineers, and product managers.
- Built ETL/ELT pipelines integrating data into **Snowflake** using Snaplogic, Snowpipe, Matillion, and Fivetran from databases, APIs, and flat files.
- Developed data warehouse schemas and physical models supporting analytics and AI-ready datasets, improving query performance by 40% through SQL optimization and indexing.
- Implemented Big data solutions using Hadoop/HDFS, Spark, HBase, **Azure Databricks**, and **Azure Data Factory**.
- Utilized healthcare standards (ICD-9/10, CPT, DRG) ensuring HIPAA, HL7, and FHIR compliance with Epic EMR integration.
- Integrated Salesforce CRM with Dynamics 365, developing **Power Apps** solutions improving operational efficiency by 35%.
- Created interactive dashboards in **Power BI, Tableau**, and **Qlik Sense** communicating insights to business stakeholders.
- Integrated A/B testing tools (Optimizely, Google Optimize, VWO) for behavioral data analysis and product optimization.
- Organized Agile/Scrum ceremonies (stand-ups, sprint planning, retrospectives) and automated workflows using JIRA.
- Developed time series forecasting models for staffing optimization, operationalized on AWS cloud using R and Python.
- Maintained **NoSQL** databases (**MongoDB**) and administered **SAS** data warehouse for enterprise analytics.
- Performed data manipulation in multiple formats (**JSON, XML, YAML**) using **PL/SQL, Python**, and **R** for data visualization.

### **Business Data Analyst | Quantum Health, India**

**January 2022 – August 2022**

- Implement data processing tasks using Apache Spark, kafka for batch and real-time and E commerce Adobe analytics including Journey Optimizer, CDP and Customer Journey and Google Analytics.
- Performed initial data profiling using SQL within Snowflake to identify trends, null values, outliers, and patterns relevant to business needs.
- Integrate **Alteryx** workflows with BI tools like **Tableau** or **Power BI** for dynamic compliance **dashboards** and visualization.

- Conduct detailed data analyses to evaluate the effectiveness of health programs, focusing on health outcomes and operational efficiencies.
- Bridged the gap between business needs and technical teams by translating quantitative models and business rules into actionable data analytics for rare disease call center data flows.
- Engage with stakeholders to gather comprehensive requirements for service functionalities, ensuring alignment with business objectives and user needs.
- Contributed to the development of high-performance software solutions using **Python** and object-oriented design principles.
- Design, implement, and manage complex data integration pipelines using **Azure Data Factory** and **AWS** leveraging services such as **S3, Redshift, RDS, Aurora, DynamoDB, Lambda, SNS, SQS, Kinesis, and IAM** principles for efficient data processing and storage.
- Developed and delivered microservices to support various applications, ensuring scalability and reliability.
- Conduct rigorous testing of service solutions to ensure functionality, reliability, and performance meet business requirements and quality standards.
- Design, develop, and maintain interactive **dashboards** and **reports** using **Tableau** and **QuickSight** to communicate program performance and impact.
- Collaborate effectively with global teams to understand **BRD & FRD's**, align on solution designs, and support the implementation and maintenance of service solutions across diverse geographical locations in Migration projects.

### Senior Associate | Wipro LTD India

May 2020 – January 2022

- Developed **ML** machine learning models (**classification, regression, clustering**) using Python for Building predictive models for tasks like customer segmentation and demand forecasting with 80%+ accuracy.
- Writing Python scripts (**Pandas, NumPy, Scikit-learn, TensorFlow, PyTorch**) using and sharing through **Jupyter** notebook solutions.
- Created SSIS packages automating data import/export from Excel, flat files, and Oracle databases, reducing manual processing time by 70%.
- Optimized **SQL** query performance using **SQL Profiler**, improving data retrieval speed by 50% and ensuring data integrity.
- Integrated **SAP** data for unified business insights and reporting to Streamline business processes.
- Collaborated with cross functional teams to define **data quality** requirements and provide **analytical** support for business initiatives, findings and actionable recommendations to senior management to support strategic decision making.

### Process Executive - Data Operations / Cognizant, India

July 2018 – April 2020

- Extracted sales transaction data from **SAP ERP** using **SQL** queries, analyzing 100K+ records monthly for sales performance insights.
- Automated data extraction from **AWS S3** and **Azure Blob Storage** using **Python** scripts, ensuring 99.9% data consistency and reliability.
- Performed exploratory data analysis (EDA) and **statistical modeling** (regression, time series) forecasting sales trends with 85% accuracy.
- Developed dynamic **Tableau** and **Power BI** dashboards tracking sales performance, improving sales team productivity by 25%.

### Certifications & Projects:

AI Engineer for Data Scientist Associate Certification: <https://www.datacamp.com/certificate/AEDS0019346193959>

### Education:

**Governors State University**  
Master's in Business Analytics

**University Park/IL, USA**  
August 2022 – May 2024

**Mother Theresa PG College**  
MBA in Finance

**Telangana, India**  
August 2018 – October 2020