SAI ALEKHYA CHANDRAMOULI

Business Intelligence Analyst & Developer

Aurora, IL | (773) 668-7478 | alekhya.chandramouli@gmail.com | LinkedIn

PROFESSIONAL SUMMARY

Business Intelligence Developer with 4+ years of experience building BI solutions, analytical reporting platforms, and data-driven workflows across financial services, insurance, and technology environments. Develops Power BI and Tableau dashboards, semantic models, reusable datasets, ETL/ELT workflows, and KPI reporting solutions for recurring business needs. Skilled in SQL, Power BI, Tableau, Excel, and Power Query, connecting data extraction and transformation with data modeling, visualization, and enterprise reporting. Experienced in improving reporting efficiency, data consistency, and selected reporting workflow execution by approximately 15–20%.

TECHNICAL SKILLS

Business Intelligence: Power BI, Tableau, Dashboard Development, KPI Reporting, Semantic Models, Reporting Solutions, Business Intelligence Development, Enterprise Reporting, Data Visualization, Interactive Dashboards

SQL & Database: SQL, Stored Procedures, Views, CTEs, Window Functions, Joins, Aggregations, Subqueries, Data Extraction, Data Transformation, Query Optimization, Data Validation, Data Reconciliation

Data Engineering & Modeling: ETL/ELT, Data Modeling, Reporting Datasets, Data Integration, Data Profiling, Data Quality, Data Transformation, Data Preparation, Reusable Datasets, Reporting Data Pipelines

Analytics: Trend Analysis, Variance Analysis, Root-Cause Analysis, Segmentation Analysis, Comparative Analysis, Operational Analytics, Financial Analytics, KPI Analysis, Performance Analysis, Business Data Analysis

Reporting & Automation: Excel, Power Query, Reporting Automation, Recurring Reporting, Data Reconciliation, Reporting Standardization, KPI Definition, Business Rules, Dashboard Optimization

Delivery & Collaboration: Jira, Confluence, UAT, Defect Tracking, Release Management, Agile, Scrum, Stakeholder Collaboration, Requirements Analysis, Production Support, Documentation

PROFESSIONAL EXPERIENCE

PNC | USA **Nov 2024 - Present**

Business Intelligence Developer

- Own business intelligence reporting across financial, customer, and operational workflows, developing Power BI and Tableau dashboards, semantic models, and KPI solutions supporting 3 core business areas and recurring management reporting.
- Engineer advanced SQL using CTEs, window functions, stored procedures, views, and aggregations to transform enterprise data into reusable reporting datasets and analytical outputs supporting 5+ recurring reporting workflows.
- Develop ETL/ELT workflows and reusable data models that integrate, validate, and prepare business data while standardizing reporting logic across financial and operational analytics and improving consistency across multiple reporting workflows.
- Optimize SQL queries, data models, refresh processes, and dashboards, improving selected reporting workflow execution by approximately 15–20% through targeted performance improvements.
- Automate data validation and reconciliation processes while establishing consistent KPI definitions and business rules across multiple reporting workflows, improving reporting consistency across recurring stakeholder requirements.
- Support UAT, deployment, production troubleshooting, documentation, and Agile/Scrum releases in collaboration with business analysts, data engineers, finance, operations, and product teams across 5+ stakeholder groups.

Microsoft | USA **Apr 2024 - Oct 2024**

Data Engineer

- Developed and maintained ETL workflows using Azure Data Factory and Azure Synapse Analytics to support enterprise reporting, data integration, and analytics requirements.
- Wrote and optimized SQL queries, tables, views, and stored procedures to improve database performance and reduce reporting errors by approximately 35%.
- Modified and tested database systems, troubleshooting schema inconsistencies and resolving performance bottlenecks across development, testing, and UAT environments.
- Collaborated with cross-functional technical teams through Git workflows, code reviews, and release validation activities to support reliable deployments and minimize production defects.
- Performed ETL testing, database validation, and data integrity checks in UAT environments to verify data accuracy and support successful deployment of business-critical data solutions.

Allstate | USA **Sep 2023 - Mar 2024**

Business Intelligence Analyst

- Analyzed insurance, claims, policy, customer, and operational data using SQL, Excel, Power BI, and Tableau to identify performance trends and reporting opportunities across 5 key data domains.
- Developed recurring Power BI and Tableau dashboards covering claims, policy, customer service, and operational KPIs across 4 business areas for management and business stakeholders.
- Translated stakeholder requirements into KPI definitions, dashboard specifications, and analytical deliverables, supporting consistent reporting across multiple recurring business requirements.
- Applied trend, variance, segmentation, and root-cause analysis to investigate performance changes across recurring reports while validating findings against source data and business reporting requirements.
- Automated recurring reporting with SQL, Excel, and Power Query, reducing manual report preparation by approximately 20% across selected reporting processes.
- Investigated data anomalies through profiling, validation, and reconciliation, partnering with data engineering and application teams to resolve reporting issues and support UAT across recurring reporting workflows.

Hexaware Technologies | India **Jun 2019 - Jun 2021**

Data Analyst

- Prepared operational data extracts and recurring reports using SQL and Excel, supporting weekly and monthly business reporting requirements.
- Cleaned and transformed datasets from multiple sources using SQL joins, aggregations, subqueries, and filtering to prepare reliable data for analysis.
- Maintained operational KPI reports by organizing source data, updating reporting datasets, and tracking weekly and monthly performance trends.
- Responded to ad hoc data requests by creating SQL queries, Excel analyses, and data extracts based on defined business requirements.
- Performed data checks and reconciliation across source files and reporting outputs to identify missing, inconsistent, or duplicate records.
- Automated repetitive Excel and SQL reporting activities using Power Query and reusable queries, reducing manual preparation effort by approximately 10–15% for selected activities.

EDUCATION

Doctor of Business Administration (DBA) in Artificial Intelligence | Belhaven University | Jackson, MS **Aug 2026 - Present**

Master of Science in Business Analytics | Lewis University | Romeoville, IL **Aug 2021 - Aug 2023**

CERTIFICATIONS

- **Microsoft Certified: Power BI Data Analyst Associate (PL-300)**
- **CompTIA Data+ (DA0-002)**