

Abhisekh Varma Vegiraju

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PROFILE

Data professional with 5+ years of experience spanning business analysis, data analytics, and data engineering. Skilled at bridging the gap between business needs and data-driven solutions, with a strong command of SQL, Power BI, Python, and cloud technologies. Proven success in gathering requirements, building dashboards, and delivering scalable solutions that drive strategic decision-making.

EMPLOYMENT HISTORY

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| Sep 2024 – June 2025 | IT Business Analyst, Kansas Department of Corrections | KS, USA |
| <ul style="list-style-type: none">Collaborated with stakeholders to gather, document, and analyze business requirements, ensuring alignment with project objectives, resulting in a 20% reduction in project delivery time.Created detailed BRD, FRD, and WBS documentations for software development projects, ensuring structured implementation and to reduce rework cycles.Streamlined IT projects intake and approval workflows through KARS by completing business risk evaluations and aligning submissions with IT governance policies and KITO compliance standards.Managed API integration project delivery with an internal application developer for an agency, translating business needs into functional specifications and ensuring clear communication throughout the project lifecycle.Collaborated with users to validate, prioritize, and resolve issues during Athena Phase 2, tracking updates through Redmine.Built and maintained Power BI dashboards to monitor KPIs and providing projects real-time insights into key performance metrics to enhance data-driven decision-making.Gathered and documented requirements for Adult and Juvenile Offender Management Systems, including Athena and Redmine, ensuring alignment with business needs and technical specifications.Designed SQL queries to analyze historical data trends for pricing and forecasting purposes, supporting policy optimization. | | |
| Jan 2023 – July 2024 | Data Analyst, Gateway Solutions INC | KS, USA |
| <ul style="list-style-type: none">Used SQL (Snowflake and SQL Server) to extract, join, and transform multi-source datasets; created reusable queries and views for reporting and self-service analytics.Partnered with business stakeholders from operations and finance to gather reporting requirements and developed automated Tableau dashboards to track KPIs such as revenue trends, enhancing visibility and reducing manual reporting effort by over 70%.Conducted exploratory data analysis (EDA) using Python (pandas, matplotlib) to identify data outliers, gaps, and trends that shaped internal strategy discussions around product performance.Built Excel-based financial models and used Excel Power Query and PivotTables for ad-hoc reporting and reconciliation tasks requested by non-technical stakeholders.Worked closely with data engineers to ensure pipeline delivery met analytical needs and led data validation efforts, identifying schema mismatches during SAP-to-Snowflake data ingestion.Used JIRA to manage reporting requests, log bugs, and track delivery of analytics features within Agile sprints.Coordinated with product and marketing teams on campaign performance analysis, measuring ROI, cost per lead, and customer conversion rates, leading to a 12% increase in campaign efficiency.Participated in UAT testing of dashboards, validating filters, metrics, and visuals against functional requirements prior to deployment in production. | | |
| Jul 2018 – Aug 2021 | Data Engineer, Ciora Solutions Pvt Ltd | HYD, India |
| <ul style="list-style-type: none">Designed end-to-end data pipelines using AWS Glue to extract, transform, and load large volumes of structured and semi-structured data from on-prem SAP exports into Amazon Redshift.Used AWS Lambda to trigger pipeline jobs based on S3 events, ensuring real-time availability of updated data for analytics use cases.Developed PySpark scripts on Amazon EMR for scalable data transformations, handling batch jobs on tens of millions of records daily.Implemented data lake architecture on AWS S3, organizing data in a partitioned and compressed format (Parquet), reducing storage cost by 20% and improving downstream query performance.Conducted data validation and lineage tracing to identify transformation errors and root-cause data quality issues using metadata tagging and custom audit logging.Implemented orchestration workflows using AWS Step Functions and CloudWatch, scheduling jobs with retries, failure handling, and email alerts.Worked in an Agile environment using JIRA, collaborating with analysts and product managers to convert business logic into scalable data solutions.Maintained version control of ETL scripts and configuration files using Git and participated in CI/CD deployments for data pipelines. | | |

PROJECT

Power BI and SQL Integration for Enhanced Business Intelligence: Movie Sales Visualization

- Created dynamic dashboards by leading the integration of Power BI and SQL databases, providing real-time business analytics that expedited strategic planning for a financial services company.
- Refined SQL data retrieval practices, enhancing efficiency by 30%, which facilitated more timely and accurate analytics. This strategic improvement supported faster decision-making and enhancing business operations.

Design and implementation of a news articles classification system – NLP

- Developed a classification system for magazines and newspapers that automated content categorization based on topics, keywords, and other pertinent characteristics.
- Utilized Python, NLP, Roberta, Neural Networks, Flask, HTML, and CSS, resulting in a 30% improvement in processing speed and enhancing user interface experience.

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| SKILLS | Snowflake | AWSEC2 | Microsoft Athena |
| | Dagster | AWS Kinesis | SQL |
| | SAP | AWS Glue | Power BI |
| | AWS Redshift | SQL | ServiceNow (KARS) |
| | AWS Lambda | Python | Azure Blob Storage |
| | AWS S3 | AWSEMR | Amazon Redshift |

EDUCATION

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| Sep 2021 – Apr 2023 | Master of Science in Data Analytics, Northeastern University | USA |
| Relevant Coursework: Database management for Analytics, Data Mining, Data Warehousing and SQL | | |
| June 2015 – May 2019 | Electronics & Communications Engineering, Vellore Institute of Technology | INDIA |
| Relevant Coursework: Data Structures and Algorithms, Object Oriented Programming, Cloud Computing | | |