

Nikhil Reddy Chinthakunta

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PROFESSIONAL SUMMARY

Senior Data Engineer with 5+ years of experience designing, building, and optimizing scalable cloud-based data platforms across Azure and AWS. Proven expertise in developing reliable ETL/ELT pipelines, optimizing SQL performance, and delivering analytics-ready data models that support executive decision-making. Consistently improved data processing efficiency, accuracy, and platform scalability while enabling advanced analytics and reporting at enterprise scale.

TECHNICAL SKILLS

- **Programming:** Python, SQL, R, MATLAB, JavaScript
- **Python Packages:** NumPy, Pandas, Scikit-learn, Matplotlib, Seaborn, Plotly, Dash, SciPy, BeautifulSoup, NLTK
- **Azure:** Azure Data Factory, Azure Synapse Analytics, Azure Machine Learning, Azure Databricks, Azure Blob Storage, Azure Functions
- **AWS:** S3, EC2, RDS, SageMaker, Glue, Lambda, Redshift, IAM, Secrets Manager, SNS, EventBridge
- **Database and Analytics:** MySQL, MS SQL Server, PostgreSQL, MongoDB, SQLite, Tableau, Power BI, BI Tools
- **Machine Learning:** Regression, Clustering, Decision Trees, Naïve Bayes, Bayesian Statistics, K Nearest Neighbors (KNN), Random Forest, Gradient Descent, SVM, PCA, Logistic Regression, GLM
- **DevOps:** Git, Docker, Kubernetes
- **Others:** Microsoft Dynamics 365, A/B Testing, Optimization Modeling, Statistics, Excel (VLOOKUP, Pivot Tables)
- **Data Engineering & Governance:** Data Engineering, Data Warehousing, Data Ingestion, Data Governance, SQL Performance Tuning

PROFESSIONAL EXPERIENCE

IBM	Plano, TX
Sr.Data Engineer/Analytics Engineer	Jan 2023 – Present
<ul style="list-style-type: none">• Architected and implemented end-to-end ETL/ELT data pipelines using Python, SQL, Azure Data Factory, and cloud-native services, reducing data processing latency by 40% and improving pipeline reliability.• Designed analytics-ready data models and optimized SQL transformations to support downstream analytics and executive reporting, enabling a 25% improvement in operational decision-making efficiency.• Led large-scale cloud data migrations from legacy systems to Azure and AWS, improving platform scalability by 30% while reducing infrastructure and storage costs.• Built automated data quality, validation, and reconciliation frameworks, decreasing reporting errors by 35% and increasing trust in enterprise analytics outputs.• Developed and maintained feature pipelines to support predictive analytics use cases, contributing to an 18% improvement in churn prediction accuracy through cleaner, well-structured data.• Implemented data governance, access controls, and security policies aligned with GDPR and CCPA standards, achieving 99.5% compliance across enterprise data assets.• Enabled experimentation and optimization by building A/B testing and analytical frameworks, driving a 12% increase in digital conversion rates through data-driven insights.• Developed and optimized SQL stored procedures and complex transformations in Snowflake and relational databases.• Used dbt-style transformation frameworks and GitHub-based CI/CD workflows to deploy analytics code.	

Infosys	Hyderabad,Telangana
Data Analyst	Aug 2019 - Jul 2021
<ul style="list-style-type: none">• Built and optimized data warehouse schemas and complex SQL queries, reducing query execution times by 50% and improving BI performance across analytics teams.• Automated recurring data transformation and reporting workflows using Python and SQL, cutting manual effort and reducing report delivery time by 45%.• Designed and delivered Power BI and Tableau dashboards, translating complex datasets into actionable KPIs and accelerating decision-making by 28%.• Implemented anomaly detection and analytical models to support fraud monitoring, reducing fraudulent transactions by 15%.• Developed robust ETL processes to integrate structured and unstructured data from multiple sources, improving data consistency and reducing errors by 30%.• Performed exploratory data analysis (EDA) to identify trends and insights that improved operational efficiency and supported data-driven resource planning.	

EDUCATION

Trine university	Aug 2021 - Jul 2023
Master of Science, Information Studies	
Sphoorthy engineering college	May 2015 - Aug 2019
Bachelor of Computer Science and Engineering, Computer Science and Engineering	