

# Nikhil Reddy Chinthakunta

Texas, USA | +1 (216) 235 6712 | [chinthakuntanikhilreddy@gmail.com](mailto:chinthakuntanikhilreddy@gmail.com) | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

## 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, Beautiful Soup, 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

- |   |                            |
|---|----------------------------|
| <b>IBM</b>  | <b>Plano, TX</b>           |
| Sr.Data Engineer/Analytics Engineer   | Jan 2023 – Present         |
| <ul style="list-style-type: none"><li>• 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.</li><li>• 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.</li><li>• Led large-scale cloud data migrations from legacy systems to Azure and AWS, improving platform scalability by 30% while reducing infrastructure and storage costs.</li><li>• Built automated data quality, validation, and reconciliation frameworks, decreasing reporting errors by 35% and increasing trust in enterprise analytics outputs.</li><li>• 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.</li><li>• Implemented data governance, access controls, and security policies aligned with GDPR and CCPA standards, achieving 99.5% compliance across enterprise data assets.</li><li>• Enabled experimentation and optimization by building A/B testing and analytical frameworks, driving a 12% increase in digital conversion rates through data-driven insights.</li><li>• Developed and optimized SQL stored procedures and complex transformations in Snowflake and relational databases.</li><li>• Used dbt-style transformation frameworks and GitHub-based CI/CD workflows to deploy analytics code.</li></ul> |                            |
| <b>Infosys</b>  | <b>Hyderabad,Telangana</b> |
| Data Analyst  | Aug 2019 - Jul 2021        |
| <ul style="list-style-type: none"><li>• Built and optimized data warehouse schemas and complex SQL queries, reducing query execution times by <b>50%</b> and improving BI performance across analytics teams.</li><li>• Automated recurring data transformation and reporting workflows using Python and SQL, cutting manual effort and reducing report delivery time by <b>45%</b>.</li><li>• Designed and delivered Power BI and Tableau dashboards, translating complex datasets into actionable KPIs and accelerating decision-making by <b>28%</b>.</li><li>• Implemented anomaly detection and analytical models to support fraud monitoring, reducing fraudulent transactions by <b>15%</b>.</li><li>• Developed robust ETL processes to integrate structured and unstructured data from multiple sources, improving data consistency and reducing errors by <b>30%</b>.</li><li>• Performed exploratory data analysis (EDA) to identify trends and insights that improved operational efficiency and supported data-driven resource planning.</li></ul>   |                            |

## EDUCATION

- |   |                            |
|---|----------------------------|
| <b>Trine university</b>   | <b>Aug 2021 - Jul 2023</b> |
| <i>Master of Science, Information Studies</i>   |                            |
| <b>Sphoorthy engineering college</b>  | <b>May 2015 - Aug 2019</b> |
| <i>Bachelor of Computer Science and Engineering, Computer Science and Engineering</i> |                            |