








EEGAPURI LOKESHWAR REDDY			
DATA ENGINEER			
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Summary	A Data Engineer with 3 years of experience in designing batch/streaming data solutions and ETL/ELT workflows. Possesses expertise in dimensional modeling, OLAP systems, and data marts, with proficiency in relational databases, big-data frameworks, and cloud-based analytics. Delivers reliable, real-time data solutions with strong problem-solving skills.		
Skills	Databases & Warehousing:	ETL & Cloud Services:	Tools & Frameworks
	Programming Languages & Libraries:	Soft Skills:	Languages:
Certifications	IBM Data Warehouse Engineer		Mar 2025
	Snowflake Data Engineering		Jun 2025
	Confluent Fundamentals Accreditation		Dec 2024
Experience	Tata Consultancy Service (TCS)		April-2019-Feb-2022
	Systems Engineer/ETL Developer		Hyderabad
	Project : Saudi Telecom Company (STC) – Enterprise Data Warehouse (EDW) Operations (Batch & Stream Processing)		
	Tools: Airflow, Spark, Pyspark, Teradata, Confluent Kafka, Python, Red Hat Linux, SQL, Shell Scripting, JSON, AVRO, Jira, Remedy		
	<ul style="list-style-type: none"><li>Developed and maintained 2000+ ETL pipelines using Airflow, Apache Spark, and PySpark, delivered 45+ new ETL jobs, and implemented schema changes to support evolving data models with zero production defects.</li><li>Developed procedures and optimized SQL queries in Teradata for KPI tracking, played a key role in data modeling to enhance schema efficiency, and automated discrepancy reporting, boosting development productivity by 35%.</li><li>Built PySpark jobs and automation scripts to optimize storage usage, reclaiming 30% storage space by developing jobs to clean long-accumulated, unnoticed data.</li><li>Contributed to 4–5 DR drills by developing and testing workflows, ensuring reliable failover for data pipelines and schema integrity.</li><li>Worked on and supported a system consisting of 250+ Kafka topics, building producers and consumers using Python and confluent_kafka library, implementing ksqlDB for stream processing ETL, and integrating connectors (JDBC/ODBC, HTTP) for real-time data pipelines, ensuring schema compatibility with Avro and JSON formats.</li><li>Built Python scripts to automate health checks, monitor consumer lag, and manage schema evolution in ksqlDB, resolving connector issues and optimizing performance, significantly reducing manual effort.</li></ul>		
Personal Projects	RentLok - Integrated Rental Management and Analytics Platform		
	 <a href="#">RepoLink</a>		
	<ul style="list-style-type: none"><li>Developed an integrated rental management platform combining real-time transaction processing (OLTP) and analytics (OLAP), featuring an Android app and advanced data systems.</li><li>Engineered the OLTP component with FastAPI, PostgreSQL, and Apache Kafka, implementing stream processing for scalable, real-time data pipelines.</li><li>Architected the OLAP analytics pipeline in Snowflake, employing the Medallion architecture (Bronze-Silver-Gold layers), dimensional data modelling with SCD Type 2, and batch processing for ELT, to provide interactive Streamlit dashboards.</li></ul>		
	Tech Stack:, Android, FastAPI, PostgreSQL, Confluent Kafka, Kafka Connect, ksqlDB, SQLAlchemy, AWS S3, Apache Airflow, Apache Spark, Snowflake (Snowpipes, Streams, Tasks), Streamlit		
Education	CVR College of Engineering		Apr 2015 - Mar 2019
	Mechanical Engineering-9.56 GPA		B-Tech
Achievements	On the Spot Award for outstanding performance and exceptional contributions to ETL operations and system optimization.		
	Cleared the first round of TCS CodeVita Season 7 (2018), a global coding competition, demonstrating strong programming and problem-solving skills		