

AMITH SAIBABA

DATA ENGINEER

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PROFILE SUMMARY

Data Engineer with hands-on expertise in building scalable data pipelines and architecting cloud-based data solutions. Strong command over Python, SQL, PySpark, and AWS, with proven experience in managing large-scale data ingestion, transformation, and delivery pipelines.

TECHNICAL SKILL

- Programming: Python (Strong), SQL (Strong)
- Big Data: PySpark, Spark SQL
- Cloud: AWS (S3, Glue, EMR, Lambda, Step Functions, Athena, Redshift)
- Databases: Snowflake, Redshift, PostgreSQL, MySQL
- Workflow & Orchestration: Airflow, Glue Workflows Streaming: Kafka, Kinesis (Basic)
- Data Modelling: Dimensional Modelling, Data Lakehouse (Delta Lake)

EDUCATION

B.Tech in Computer Science and Engineering (AI/ML) – SRM University, Chennai

2020-2024

- Electives: Machine Learning, NLP, Digital Image Processing, Networking

WORK EXPERIENCE

Data Engineer | Cognizant

JULY 2024 – Present

- Built & optimized end-to-end ETL pipelines handling data daily.
- Developed cost-efficient data lake architectures on AWS S3 with optimal partitioning & compression.
- Automated data quality checks using Python, adding alerts for schema drift and null checks.
- Tuned Redshift queries to reduce data processing costs by 30%.
- Worked on data marts & dimensional models for business reporting needs.
- Designed a self-healing pipeline framework using Airflow & AWS Lambda, reducing failures by 70%.