

Akash M *Data Engineer | MBA | BE*

✉ Akashmohan360@gmail.com

☎ +91 7200419307

📍 Chennai

🌐 [linkedin.com/in/akashmohan16](https://www.linkedin.com/in/akashmohan16)



Profile

Experienced Data Engineer with a total of 5 years of experience, including 3.5 years in data engineering, and a master's degree (Full Time) in data analytical tools and programming. Proficient in Big Data technologies, data collection, analysis, and management. Adept at delivering high-quality business intelligence solutions to enhance business efficiency. Skilled in Python, SQL, PySpark, Airflow, AWS (S3, Lambda, Glue, EC2), Hadoop, Azure Databricks, and HDFS.

Skills

Python, Sql, Pyspark, AirFlow, Aws s3, ec2,
lambda, Hadoop, Azure Databricks, HDFS

Professional Experience

Data Engineer - Data Team

Citi Corp India

08/2022 – present
CHENNAI, India

- Developed a pipeline connecting the internal server via an API, loading client report requests into an S3 bucket in a parquet file format, and processing them through a queue-based system, Established an Oracle connection through Pyspark, executing business logic queries in Oracle.
- Pipeline was developed using s3, airflow, and Databricks notebooks with Python and PySpark.
- Engaged in creating materialized views, granting privileges, and migration activities such as building Python class in the FLASK project where data is migrated from Oracle into MongoDB.

MT- Data Engineer

HCL Tech India

06/2021 – 08/2022
CHENNAI, India

- Configured Hadoop Eco System and Cloudera Manager, and developed Spark scripts using Pyspark based on project requirements.
- Proficient in Spark Context, Spark SQL, and DataFrames for efficient data processing and analysis.
- I worked in Hive, including an understanding of partitions and bucketing concepts, and designed both managed and external tables to enhance performance and optimize data loading processes.
- Designed, developed, and maintained data integration programs for Hadoop and RDBMS systems to facilitate data access and analysis.

GET - Data Analyst

Schwing Stetter India

10/2017 – 01/2019

CHENNAI, India

- Worked on a project focused on data integration and analytics utilizing raw datasets from both internal and external clients using web scraping techniques.
- Implemented ETL (Extract, Transform, Load) logic directly within the pipeline, facilitating seamless data processing.

GAT - Logistics Analyst

Saint-Gobain India - Glass Business

08/2016 – 08/2017

CHENNAI, India

- Assisted in delivering timely and accurate data analytics to aid the leadership team in managing revenue, expenses, sales pipeline, capacity, and utilization effectively.
- Supported in identifying improvement areas and contributed to enhancing existing processes, as well as creating new processes to optimize operations.

Projects

PROCESS TIME REDUCTION IN DATA PIPELINE AUTOMATION

2023

Implemented a report automation pipeline using Airflow orchestration, replacing a manual process that typically took 4–5 working days. Achieved increased efficiency and accuracy in the process, resulting in significant improvements in productivity.

LEAD GENERATION PIPELINE - DEDUPLICATION PROJECT

2023

imported data from various sources using an API and efficiently converted it into a dataframe format for analysis. Leveraged Natural Language Processing (NLP) techniques to perform deduplication tasks, enhancing data quality and accuracy.

ML LOGISTIC REGRESSION ANALYSIS

2022

Applied classification algorithms including logistic regression, KNN, and Decision Tree to forecast the churn rate within the telecom company.

Education

MBA In DATA ANALYTICS

2019 – 2021

PSG TECH - COIMBATORE

GPA|86.4

BE Mechanical Engineering

2012 – 2016

VELAMMAL INSTITUTE OF TECHNOLOGY - CHENNAI

Languages

ENGLISH



TELUGU



TAMIL

