

# KATHIR K

**Junior Data Engineer** | United Kingdom

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## PROFESSIONAL SUMMARY

Junior Data Engineer with an MSc in Data Science and hands-on experience building end-to-end ETL data pipelines. Strong foundation in SQL and Python, with practical experience in data transformation, data modeling, and workflow orchestration using Apache Airflow. Familiar with cloud-based data storage on AWS. Seeking a Junior or Associate Data Engineer role to contribute to reliable and scalable data infrastructure.

## TECHNICAL SKILLS

**Programming & Querying:** SQL (joins, aggregations, CTEs, window functions), Python (ETL scripting, pandas, API integration)

**Data Engineering:** ETL / ELT pipelines, Data modeling (fact & dimension tables), Incremental & batch processing, Data warehousing fundamentals

**Tools & Platforms:** Apache Airflow, AWS S3, Git, Linux (basic), PostgreSQL / MySQL (basic)

## PROJECT EXPERIENCE

### Junior Data Engineer – End-to-End ETL Data Pipeline

- Designed and implemented ETL workflows using Python and SQL to extract data from CSV files and REST APIs
- Loaded raw data into AWS S3 and transformed it into analytics-ready datasets
- Modeled data using fact and dimension tables to support efficient querying
- Orchestrated historical and incremental data loads using Apache Airflow DAGs
- Implemented basic data quality checks, logging, and error handling
- Documented pipeline architecture and transformations

## PROFESSIONAL EXPERIENCE

### Data Analyst – Intern

- Worked with SQL and Python to clean, transform, and prepare datasets for analytics use cases
- Assisted with data extraction, validation, and quality checks to support reporting workflows
- Performed exploratory data analysis and supported business data requirements
- Collaborated remotely with team members to deliver data-related tasks within deadlines

## EDUCATION

**MSc Data Science** — University of Essex, United Kingdom

**B.Tech Chemical Engineering** — Paavai Engineering College, India

## CERTIFICATIONS

Accenture North America – Data Analytics & Visualization (Virtual Experience Program)