Akshat Kumar

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LinkedIn | **GitHub**

Profile

Data Engineer with 2 years of experience building scalable, cloud-native ELT/ETL pipelines and data warehouse solutions using **Python, SQL, Airflow, AWS Glue, dbt**, and **Redshift**. Skilled in big data processing with **Apache Spark** and **Databricks**, with a proven track record in optimising workflows for performance and cost efficiency.

Education

Indian Institute of Technology, Kharagpur   Kolkata, India
B. Tech and M. Tech in Chemical Engineering; CGPA: 8.14   July 2018 – May 2023

Experience

BizAcuity Solutions Pvt. Ltd.   Jul 2023 – Present
Data Engineer   *Hyderabad, India*

- Conducted in-depth analysis of source data to understand **business logic**, column relationships, and data dependencies, ensuring accurate **data mapping** and seamless pipeline development.
- Designed and Deployed end-to-end **ELT pipelines** using AWS Managed Airflow, Glue, **S3**, and **dbt Core**, handling around **2M+** records daily for efficient and cost-effective data ingestion and transformation into **Amazon Redshift**.
- Implemented incremental data loading logic in **AWS Glue** using CDC timestamps, reducing **compute costs** by **30%**.
- Reduced processing time by **66%** using incremental **dbt models**, enhancing performance and minimising redundancy.
- Designed and implemented scheduling capabilities using **Airflow** for data pipeline orchestration, reducing manual intervention time by **80%** and streamlining workflow efficiency.
- Developed **metadata tables** to monitor pipeline health, enable failure recovery, and validate end-to-end data integrity.
- Mentored **40 freshers** in **SQL** and AWS cloud fundamentals, strengthening their foundational concepts through in-depth training, interactive exercises, and rigorous evaluations.

Coneio Exim Private Limited   May 2022 – Jul 2022
Software Development Intern   *Remote*

- Scraped and processed **HSN** data from customs tariff websites, ensuring data accuracy using **WebHarvey** and **Excel**.
- Developed an algorithm leveraging the **Haversine Distance** formula to find the nearest seaport for a given location.
- Built a web application using **HTML**, **CSS**, **Bootstrap**, and **Google Maps API** to visualise optimal trade routes.
- Integrated algorithm with Flask RESTful API, enabling frontend-backend communication using JavaScript **Fetch API**.

Technical Skills

Languages: Python, SQL, C++, JavaScript, HTML, CSS
Data Engineering & ETL: dbt, Airflow, PostgreSQL, MySQL, ETL Pipelines, Data Modelling, Data Warehousing
Cloud Platforms (AWS): S3, Redshift, Glue, EC2, Lambda, RDS, DynamoDB, CloudWatch, IAM, SNS, SES
Big Data & Frameworks: Apache Spark, Databricks, Delta Lake, DLT, HDFS, MapReduce

Certificates

- **AWS Certified Cloud Practitioner** | AWS Training and Certification | Issued Apr 2025 | View Certificate
- **SQL (Advanced)** | HackerRank | Issued Mar 2025 | Credential ID: 603951544FF8 | View Certificate

Awards & Extra-Curricular Activities

- Achieved **Rank 3** in Prince Talent Reward Exam 2018 among **40,000+** candidates, organised by Prince Education, Sikar.
- Secured **AIR 252** in COMEDK UGET 2018 among **70,000+** candidates, conducted by Karnataka Colleges Foundation.
- Managed a **200+** member team and **2.6L budget** as Captain, securing 3rd place in IIT KGP's Illumination contest.
- Mentored **four** first-year students for two years as a **Student Mentor** appointed by the Student Welfare Group, IIT KGP.