

Nikhil Gupta

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Technical Skills

Programming Languages: Scala, Python, SQL

Big Data Technologies: Apache Spark, Apache Hive, Apache Airflow, Databricks

Cloud Platform: Google Cloud Platform (*Dataproc, Cloud Composer, Cloud Storage, BigQuery*)

Databases: MySQL, Stored Procedures, Cassandra (*NoSQL*)

Version Control: Git, Bitbucket

Work Experience

Exl Service, India | Senior Business Analyst

Jan' 25 - Present

- Designed and maintained *ETL* pipelines for marketing and campaign analytics in the *US Healthcare* domain, enabling targeted weekly outreach and efficient onboarding via segmented audience data.
- Automated GitHub architecture mapping using a Python-based analyzer and *MermaidJS*, and refactored large-scale *ETL* pipelines into modular components to boost maintainability and scalability.
- Collaborated with cross-functional teams to align backend data with frontend requirements, fine-tuned *Airflow DAGs*, and significantly improved pipeline reliability and performance.

Accenture, India | Data Engineer

Jan' 22 - Jan' 25

- Contributed to the migration of *Spark batch* and *streaming* jobs to *BigQuery* procedures, developing scalable solutions to optimize workflows, enhance efficiency, and automate scheduling using *Airflow*.
- Streamlined MySQL stored procedures to enhance GUI data capture and processing, optimizing *Airflow DAGs* to improve overall system reliability.
- Migrated on-premise data to *Google Cloud Platform*, managing *Spark ETL* data pipelines from *job development, deployment, troubleshooting* and *orchestration*, ensuring seamless operations and data integrity.
- Automated and optimized workflows in a Data Warehouse (*HUE*) using *Apache Oozie, Apache Impala, Scala*, and *SQL*, reducing manual interventions and ensuring 99%+ job success rate and robust, efficient data processing.
- Provided production support for troubleshooting data pipelines, implementing necessary fixes to maintain data integrity throughout the project lifecycle.

King Mongkut's Institute of Technology, Ladkrabang | Intern

Sept' 19 – Oct' 19

- Implemented a *Computer Vision* algorithm using *Convolutional Neural Networks* to assess fat content in steak, achieving 92% grading accuracy for Thailand's Department of Livestock Development.

Education

B K Birla Institute of Engineering and Technology, Pilani

2017 - 2021

- Bachelor of Technology, Computer Science & Engineering (*Honors*) | CGPA: **8.0/10.0**

Academic and Extracurricular Achievements

- Awarded the **Accenture Excellence (ACE) Award** in the **Growth Catalyst** category for **Q4 2022**.
- Recognized by the onshore team and client for consistently delivering bug-free outcomes and fostering effective cross-team collaboration.