

# Nikhil Gupta

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## Technical Skills

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Scala | Python | SQL | Apache Spark | Apache Airflow | Apache Hive | NoSQL (Cassandra) | BigQuery | Google Cloud Platform | Streamlit | Git | Bitbucket

## Work Experience

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### Exl Service, India | Full Time

Remote

#### Consultant

Jan' 25 - Current

- Migrated and transformed multi-source data into BigQuery, automated schema validations, and generated key business metrics and visual reports for stakeholders.
- Automated GitHub project architecture visualization using a Python analyzer with MermaidJS, and modularized large data pipelines for better maintainability and efficiency.
- Collaborated across teams to standardize backend data for frontend needs, optimized Airflow DAGs, and enhanced overall pipeline performance.

### Accenture, India | Full Time

Remote

#### 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 execution time by 30%, ensuring reliable and efficient data management.
- Provided production support for troubleshooting data pipelines, implementing necessary fixes to maintain data integrity throughout the project lifecycle.

### KMITL (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

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### B K Birla Institute of Engineering and Technology, Pilani

2017 - 2021

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

## Projects

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**Crypto Data Pipeline** - Designed an automated *crypto* data pipeline using *Airflow* to extract, transform, and load (*ETL*) data into *BigQuery*, streamlining data processing for seamless access and reporting. Developed interactive dashboards in *Google Looker* to provide real-time insights.

## Academic and Extracurricular Achievements

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- Awarded the Accenture Excellence (*ACE*) Award in the *Growth Catalyst* category for Q4 2022.
- Acknowledged by the onshore team and client for delivering projects on time, ensuring bug-free outcomes, and fostering effective collaboration.