

NITESH RANJAN SINGH

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Professional Summary

Experienced Data Engineer (3+ years) with a strong foundation in Azure Data Engineering, ETL pipelines, and big data technologies. Currently pursuing an MSc in Data Science at the University of Glasgow with a focus on applied industry practices. Proven ability to design and optimize scalable data solutions using Azure Data Factory, Databricks, and PySpark. Certified in Microsoft Azure (DP-203) and Databricks. Now seeking a full-time Data Engineer role in the UK to apply cloud-native data engineering expertise in real-world business contexts.

Key Skills & Tools

- Languages: Python, SQL, PySpark
- Cloud: Azure (Data Factory, ADLS, Databricks, Synapse), Snowflake, Power BI
- Data Tools: Apache Spark, Kafka, Airflow
- ETL & Warehousing: ADF, DBT, SSIS, Data Lakes, Delta Lake
- Certifications:
 - - Microsoft Certified: Azure Data Engineer Associate (DP-203)
 - - Databricks Certified Data Engineer Associate
 - - IBM Data Science Professional Certificate

Education

- **MSc Data Science – University of Glasgow, UK**

Expected: 2026

- Modules: Big Data Analytics, Cloud Computing, Data Engineering
- Scholarship: £10,000 Excellence Award
- Projects: Built scalable ETL pipeline using ADF, Databricks & ADLS Gen2 for healthcare data
- **B. Tech in Computer Science Engineering – University of Petroleum and Energy Studies, India**

2018 – 2022

- Final Year Project: DigiAttendance – AI-based attendance system using facial recognition

Professional Experience

- **Data Engineer – IQVIA, Gurgaon, India**

Jul 2022 – Apr 2025

- Built and maintained end-to-end ETL pipelines for clinical and commercial healthcare data using Azure Data Factory, Databricks, and ADLS
- Led data migration of 1B+ records from on-prem to Snowflake using PySpark and optimized pipelines, reducing run-time by 35%
- Automated data quality checks and metadata management workflows using Python and ADF
- Collaborated with data scientists to productionize ML pipelines with model scoring in Databricks
- Tools: Azure ADF, Databricks, Snowflake, Power BI, Git, Jira
- Awards: IQVIA Impact Award FY 2023-24(Ovation) & 2024-25(Spotlight)

- **Analyst – Axtria, India**

Jan 2022 – Dec 2022

- Created SQL-based dashboards and ETL pipelines to support pharma sales analytics
- Improved performance of reporting processes by restructuring queries and indexes
- Provided ad-hoc data solutions using Power BI and Python scripts for visualization

Projects

- WaveSort: Novel Sorting Algorithm – Developed an efficient custom sorting algorithm in C++, visualized and benchmarked against MergeSort and TimSort
- Mathematical Model for Linear Data – Built a regression-based root cause analysis tool for structured datasets using Python and statistics

Volunteer & Leadership

Team Lead, Alpha AI – Data Science Intern – Led a team of 10 interns to develop NLP-based data summarization tool for client documents

Additional Information

- Work Authorization: Post-study work visa (Graduate Route), eligible to work full-time in the UK after graduation
- Languages: English (Fluent), Hindi (Native)