

Aadil Mansoori

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SENIOR DATA ENGINEER

Experienced Senior Data Engineer with nearly 5 years of success in developing, and optimizing scalable data solutions within the Insurance, Healthcare and Digital Analytics sectors. Expertise spans leading cloud platforms such as AWS, Azure, and Databricks with strong proficiency in ETL development, end-to-end data pipelines, big data processing, data modeling, and data governance. Skilled in designing robust data architectures, enforcing data privacy and security standards, and leveraging advance analytics, modernized architecture and advanced data solutions to drive business insights. Proven track record of spearheading complex data engineering initiatives, collaborating with cross-functional teams, and delivering impactful solutions that improve business outcomes and revenue. Certified in Databricks, Apache Spark, Snowflake and Microsoft Azure.

CORE ACCUMEN

Big Data Processing & Optimization	End-to-End Data Pipeline Design
Cloud Data Architecture(AWS, Azure, Databricks)	Advance Analytics and Pipeline Modernization
Data Governance & Security Compliance	Business Intelligence & Dashboard
Cross-Functional Team Collaboration	Development Project & Resource Management
Analytics Platform Migration	Agile Methodologies

TECHNICAL SKILLS

- **Programming & Scripting:** Python, SQL, PySpark, Pandas, NOSQL
- **Big Data & Cloud Platforms:** Databricks, AWS (S3, Glue, Lambda, Redshift), Azure (Azure Data Factory, Azure Synapse), Snowflake, Kafka, MongoDB
- **Data Engineering:** ETL Development, Data Pipelines, Data Modelling, Data Analysis, Change Data Capture (CDC), Slowly Changing Dimensions (SCD), Data Governance, Data Privacy Compliance
- **Workflow Orchestration:** Apache Airflow
- **Version Control & DevOps:** GitHub, CI/CD Pipelines, GitHub Actions
- **Tools & Others:** Advanced Excel, BI Solutions, Web Crawling, Web Scraping, Performance Tuning

CAREER TRAJECTORY

Organisation	Designation	Duration
Deloitte USI - (Hashedin By Deloitte)	Data Engineer - II	May 2024 – Present
Course5 Intelligence	Analyst	Feb 2022 – May 2024
Inueron.ai	Trainee Analyst	Feb 2021 – Feb 2022

WORK EXPERIENCE

Software Engineer - II (Data Engineer)
Deloitte USI – (Hashedin By Deloitte) Mumbai, India | May 2024 – Present

- Designed and implemented end-to-end data pipelines for large, complex clinical datasets using Databricks, SQL, PySpark, AWS Glue, and Amazon Redshift, optimizing data ingestion, transformation, and delivery workflows.
- Orchestrated both near real-time and batch processing of high-volume, sensitive clinical and Insurance data, ensuring data integrity, high availability, and compliance with cloud-based security standards.
- Developed and enforced comprehensive data governance protocols, including column-level security in Databricks and Glue safeguarding patient confidentiality and ensuring regulatory compliance.
- Drove adherence to HIPAA, GDPR, and internal privacy policies by implementing robust data protection strategies, minimizing regulatory and business risks.
- Leveraged PySpark for advanced data preprocessing and analytics, turning clinical datasets into actionable healthcare and Insurance insights.
- Enhanced ETL workflow efficiency via performance tuning, shortening processing times and improving overall pipeline reliability.
- Led a team of 5 in developing solutions that enhanced senior management's decision-making speed by 25%.
- Directed User Acceptance Testing (UAT) and QA processes, reducing post-deployment defects by 30%.
- Developed CI/CD pipelines with GitHub Actions to automate ETL deployment and testing, reducing deployment time by 50% and increasing code reliability.
- **Technical Skills:** Databricks, SQL, PySpark, AWS Glue, Amazon Redshift, ETL, Data Governance, Column-Level Security, Performance Optimization, Clinical Data, Data Privacy Compliance, HIPAA, GDPR

Analyst (Big Data Engineer)

Course5 Intelligence — Mumbai, India | Feb 2022 – May 2024

- Achieved 30% reduction in data processing time by optimizing spark jobs and implementing data processing optimizations with Apache Spark.
- Architected and built a scalable ETL pipeline using Azure Data Lake and Lambda functions to ingest and process large amount of data from diverse sources like web-APIs (Google API 3, YouTube, Reddit etc.), web scraping, and automated exports.
- Leveraged PySpark on Azure Synapse Analytics to handle large datasets and ran the synapse notebook on Azure Data Factory, employing techniques like data partitioning and caching for optimized performance.
- Created Delta tables in the Silver layer, enabling efficient querying, time travel, capabilities, and ACID transactions for reliable data analysis in Power BI.
- Implemented efficient data transformations (cleaning, filtering, normalization) using Python libraries like Pandas and Numpy within Lambda functions, ensuring data quality and optimizing processing time.
- Created and maintained detailed ETL documentation, data dictionaries, and data lineage materials, supporting compliance, auditability, and team knowledge transfer.
- **Technical Skills:** ADLS Gen-2, PySpark, Delta Lake, Synapse Analytics, Azure CI/CD, Slowly Changing Dimensions (SCD and CDC), ETL

Trainee Analyst

Ineuron.AI Technologies Private Limited — Bangalore, India | Feb 2021 – Feb 2022

- Collaborated on the development of ETL pipelines and data analysis using no code ETL solutions.
- Utilized Power BI to design and create data sources for effective data visualization and analysis.
- Successfully migrated HQL Scripts to Azure SQL jobs for improved performance and scalability.
- Orchestrated Spark jobs using Apache Airflow for streamlined workflow management.
- **Technical Skills:** Python, SQL, PySpark, Data Transformation, Data Pipelines, BI Solutions, Performance Tuning

EDUCATION

- **BE in Electronics and Telecommunication - Bandra (W), Mumbai**
Rizvi college of Engineering — 06/2022 | GPA: 8.0 / 10

CERTIFICATIONS

- Azure az-900 Microsoft
- Azure dp-900 Microsoft
- SQL Mastery ThinkSQL
- Business Analytics Masters Ineuron
- FSDS Masters Ineuron
- Data warehousing with snowflake Datavidya
- Synapse masters at wafastudies

HONORS

- Excellence Award by Deloitte USI
- Spot Award at Hashedin
- Spot C5 Award
- Team Excellence C5 Award
- Client Champion Award
- Hall of Fame Ineuron.ai
- Achiever Award Ineuron.ai