

# AADIL MOHAMMED *Data Engineer*

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## PROFILE

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As a Data Engineer with around 4 years of experience, I have a proven track record in designing, implementing, and maintaining robust data infrastructure and pipelines. Proficient in Python, SQL, and Scala, I specialize in ETL processes, leveraging tools like Apache Spark and Hadoop for distributed data processing. Collaborating with cross-functional teams, I have developed data models, ensured data integrity, and implemented data security measures.

## SKILLS

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**Programming Languages & Libraries** (Python, SQL, NoSQL, NumPy, Pandas, Scikit-learn, Matplotlib, Seaborn HTML, CSS),

**Data Processing & Streaming** (PySpark, Apache Kafka, Apache Airflow, Snowflake, ETL, Apache Cassandra, SSIB, SSRS, SSAB),

**Cloud Technologies** (AWS (EC2, Lambda, Redshift, EMR, DynamoDB, S3, Security, Glue), Azure (Data bricks, Blob storage, Active Directory, Data Factory, VM, Synapse), GCP Storage, GCP VM),

**Frameworks & Tools** (Flask, Django, MS SQL, MySQL, PostgreSQL, MongoDB, Git, GitHub, Docker, CI/CD pipelines, Jenkins, Statistics, Power BI, REST API, Agile, JIRA, Tableau)

## PROFESSIONAL EXPERIENCE

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**Data Engineer**, Intelliswift Software Inc

Jan 2023 – present | MO, USA

- Implement ADF (Azure Data Factory) to automate the ingestion of data from various sources such as databases, APIs, and other files.
- Created end-to-end Data Pipeline to extract data with SFTP server and load it into Data Warehouse from on-premise datasets.
- Developing, constructing, testing, and maintaining databases for large-scale data processing systems.
- Building, maintaining, and optimizing ETL processes and data pipelines to improve data flow and collection efficiency.
- Monitored the scheduled Azure Data Factory Pipelines and configured the alerts to get notifications of failure pipelines
- Ensuring adherence to data privacy regulations, practices and implementing proper security measures in data handling and storage.
- Managed Big Data solutions such as ADF, Azure Data Lake, Azure Synapse and HD Insights extracted and transformed data from multiple sources and loaded it into ADLS.
- Established Azure environments, integrated source control with Azure DevOps and GIT, and automated Spark data pipeline processes using Azure Pipelines.

**Data Engineer**, Genpact Solutions

Jun 2018 – Jul 2021 | Telangana, India

- Designed an end-to-end orchestration and developed an AWS Glue in loading data from On-Premise Teradata to Amazon Redshift through different layers of Amazon ADLS.
- Creating complex ETL (Extract, Transform, Load) jobs that transform data visually with data flows and Amazon EMR.
- Involved in data movement activities, transformations, and control activities like copy data, data flow, get metadata, lookup, stored procedures, execute pipeline.
- Extracted data from relational databases MySQL and flat files and process these raw data using complex MapReduce, HQL queries based on business requirements.
- Efficient in Dimensional Data Modeling for Data Warehouse, identifying Facts and Dimensions, and developing, fact tables, dimension tables, using Slowly Changing Dimensions (SCD).

## EDUCATION

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**Master of Science**, University of Missouri - Kansas City

Aug 2021 – Dec 2022 | Missouri, USA

Computer Science

**Bachelor of Engineering**,

Jyothi Institute of Engineering and Technology

Aug 2014 – May 2018 | Telangana, India

Civil Engineering