

# MAHESWAR REDDY MOOLA

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## Professional Summary

- I am an accomplished information technology analyst with around 3 years of experience as an **Azure Data Engineer**, having achieved success in both the services and IT industries.
- Good experience on **Scala, Spark, SQL, Python, ETL, Big Data, PySpark, Snowflake**.
- I analyze and work with huge data sets on a regular basis using **My SQL, Python, and AZURE**.
- Created and uphold a contemporary data engineering practice in cooperation with partners, **IT stakeholders**, and **business stakeholders**.

## EXPERIENCE

**Azure Data Engineer**, 07/2020 - 07/2022

### Tata Consultancy Services

**Description:** Establish the BI cloud platform and work on migrating the on-premises data warehouse to the Azure cloud platform by utilizing Spark Databricks and Azure Data Factory. By storing the data in delta format, you can create cloud-based inventory, orders, and shipment data marts. putting the curate data for ad hoc reporting purposes in the Data Lake.

### Responsibilities:

- Experience creating and maintaining **ETL** processes as a **data engineer** using contemporary Azure technologies (such as **ADF, data lake, data bricks, and SQL**).
- Used **Azure**, a state-of-the-art **cloud platform**, to facilitate operational analytics use cases.
- Interact with the **BI Developer**, analysts, **stakeholders**, and clients to deliver data support for the Data and Reporting Platform.
- Worked with the IT team to communicate the needs for **Azure** and on-premises systems.
- Maintained and share knowledge on **Queries, Power BI, Azure Data Factory, Azure SQL**, and **DAX** while supporting deployed solutions and coaching business teams.
- Experience in **SSIS** and **SSRS**, including the capacity to combine modern **Azure platforms** with on-premise **data tools**.
- Knowledge of **Azure Data Lake Storage, Azure Stream Analytics, Azure Event Hubs**, and **Cosmos DB**. The capacity to plan, build, and enhance **Azure data pipelines**.
- Created and oversee high-performing **ETL pipelines** that handle transaction and account level data using **Spark, Python**, or **HIVE**. Standardize data fields across various data sources and make sure **data quality** and testing **align** with technology, internal reporting, and other functional teams.
- Developed **framework** for high-volume of **Data Migration** on-premises (Structured and unstructured data), **Data Pipeline** and **Data analytic** to Azure using **Data bricks, ADF, PySpark, Data Lake house Blob Storage, Cloud Function Data Lake Gen2, cloud storage and Python**.
- Created a comprehensive plan for the complete transfer of data from a **SQL Server database** to a **PostgreSQL database**.
- Build a thorough **Data pipeline** architecture that incorporates **Data analytics, Data modeling, Data pipeline, Data catalog**, and **Data lineage**.
- With an emphasis on **Hadoop, SQL, Hive, Oracle 12c, Performance Tuning, MySQL, PostgreSQL, MongoDB, Python**, and **PySpark**, I have worked in the software sector before.
- Experience with **Hadoop, Data warehouse, Data Lake**, and **PySpark** cluster.
- Hands-on experience configuring **Jenkins** and Team Foundation Server (repository) **CI/CD** pipelines.
- Practical understanding of **Python** for **ETL, Agile, platform, PL/SQL** programming, Change Data Capture (CDC), **Data Migration**, and Transformation.
- Develop scripts for automated unit tests and **Data validation**, and put alarms and system health monitoring into place. To integrate data from the **Data Lake** into internal and external consuming applications and services, automated data delivery pipelines and services were developed.

**Environment:** Big Data, Hadoop, SQL, My SQL, PostgreSQL, Pyspark, Hive, ETL, Data Lake, Data warehouse(DWH), Python, Agile, Oracle, Data Analytics, Data bricks, Spark, Cosmo DB, PL/SQL , Power BI, Azure Data Factory(ADF), SSIS, SSRS, Azure Platform, Azure synapse.

**Windows System Admin, Vmware, 08/2019 - 07/2020**

**Tata Consultancy Services - Hyderabad, India**

- Provide regular maintenance and support for Windows Server 2012, 2016 and 2019.
- Familiarity with Group Policy, Azure AD, and Active Directory.
- Practical experience providing second line support in an IT support setting, as well as the capacity to assist with third line inquiries.
- Focused on providing excellent customer service; you take pleasure in assisting clients and fixing problems.
- Installation, configuration, up-gradation, and maintenance of various McAfee ePO versions.
- Managed, troubleshoot, and deployed McAfee Agent, McAfee VirusScan Enterprise, McAfee Endpoint Security, McAfee Drive Encryption.
- Practical expertise with Hyper-V, VMware, and Windows operating systems deployment, migration, and troubleshooting.
- Installing and configuring and upgradation of VMware VCenter and ESXi servers.
- Responsible for various hardware firmware upgrade.  
Preparing SOPs for BAU tasks.
- Assist with various builds and decommission of servers.
- Perform daily system monitoring, verifying integrity and availability of the hardware, Datastore and ESXI host health monitoring and make sure of availability, Monitoring and maintaining Windows and windows server health and performance.
- Daily pulling and deployment of DAT updates and McAfee content to all nodes (Windows,Linux).
- Creating and managing virtual machines and templates.
- Add or remove hardware resources from the virtual machine.
- Taking, Deleting, and reverting snapshots of the VM.
- ServiceNow tool and Management of P1,P2 and P3 level ticket queues and their resolution.
- Support Windows server patching and ESXi upgrade tasks.
- Knowledge or experience with Windows Server 2016/2019, Active Directory backup technologies, Conditional Access, Mobile Device Management, and Microsoft InTune
- WindowsOffice 2010/2013/2016, Group Policy, Exchange 2010/2013/2016, and IIS
- Office 365 installs, data and mail migrations, and support
- Set up, monitor, and maintain routers, firewalls, and WAN and LAN networking.
- Set up, manage, and assist with spam and web filters.
- Set up, maintain, and assist with Juniper firewalls; provide hardware support for PCs, servers, and printers.
- Set up, manage, and keep up VPN systems

**Masters Project, 02/2023 - 06/2023**

**University of Hertfordshire - Hatfield,London,United Kingdom**

**Analyzing the relation between Crime Rates on House Prices and Developing Machine Learning Models for House Price Prediction in London.**

- Predict the house prices of an area in London using machine learning algorithms. Linear Regression, Decision Tree, XGBoost, SVM, Deep Neural Network and Prophet from Facebook.
- Finding the statistical proof if the number of crimes in an area has an effect on the house prices in London.

## SKILLS AND ABILITIES

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| <ul style="list-style-type: none"><li>• MySQL,Python,Power BI</li><li>• Big Data Technology: Apache Spark</li><li>• Azure Data Factory, ETL, Data bricks, Data Warehouse,Machine learning algorithms</li><li>• Windows server administration</li><li>• VMware vsphere</li><li>• Backup</li><li>• McAfee Antivirus Management</li></ul> | <ul style="list-style-type: none"><li>• Patch Management</li><li>• Microsoft 365</li><li>• Active Directory</li><li>• Hardware Maintenance</li><li>• Printer Management</li><li>• ServiceNow Tool</li></ul> |
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## Education

### University of Hertfordshire

Hatfield, London, United Kingdom

Master of Science in Data Science and analytics - 01/2022 - 07/2023

Grade: Commendation

### Mallareddy Engineering College(MREC)

Hyderabad, India

Bachelor's Degree in ELECTRONICS & COMMUNICATION ENGINEERING - 08/2015 - 05/2019

GPA: 9.2

## Awards

- Participated in Project Expo conducted by JNTU Hyderabad.
- On the spot award in TCS - Nov 2019, Feb 2020, Sep 2020 and Mar 2021