Deepika Rani

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Azure Data Engineer

Results -oriented, client focused technology professional with over 6 years and 8 months of experience in IT consulting, program management, and cloud services. Roles have grown through a strong emphasis on understanding business vision, requirements, effective communication and team building to deliver robust IT solutions and services. A specialist in building leader, shaping culture and improving the entire IT ecosystem.

Professional Experience

Microsoft Virtual Training Platform || Dec 2021 – Till Present
Azure Data Engineer (Microsoft Certified)

Project: Pyspark Project on RDDs, DataFrames and Datasets.
Tech stack: Python, Spark, Data Bricks, SQL, Colab, Azure Synapse.
Tasks:
1. Created RDD in different ways.
2. Created PySpark DataFrame in different ways.
3. Converted PySpark RDD to DataFrame.
4. Implementation of Transformations and Actions in PySpark RDDs and Pair RDDs.
5. Implementation of Transformation and Action Functions on Spark DataFrames.
6. Implementation of Different File Formats using PySpark Azure DataBricks.
7. Performed Performance Tunning.
8. Python File Handling in Colab.
9. Performed different Partitions on DataFrames.
10. Performed DataFrame operations and UDF.
11. Converted PySpark DataFrames into SQL Tables.
12. Performed different types of JOINS in PySpark SQL.
13. Converted RDD to DataFrame and DataFrame to Pandas.
14. Performed (Aggregate, Window, Date-Timestamp) SQL Functions.
15. Created Cache, Persist, Broadcast variables, Shared variables, Accumulator variables.

Project: Data Analysis on the Datasets.
Tech stack: SQL, ASA, Azure Storage, Azure Synapse SQL Pool, Power BI
Tasks:
1. Created an azure storage accounts and uploaded data files in a container.
2. Created an azure synapse analytics workspace.
3. Created a SQL pool in azure synapse workspace.
4. Created table structure in SQL pool.
5. Created a data pipeline to ingest data from azure storage into SQL pool tables.
6. Loaded data from SQL pool tables into Power BI.

7. Prepared dashboard in Power BI.
8. Published Power BI dashboard in Azure synapse workspace.

Project: Data Transformations and different activities on Business Requirements
Tech stack: ADF, ASA.
Tasks:
1. Copy data on daily basis from input container to another blob container by using ADF pipeline.
2. Data Migration from Amazon S3 to azure blob data pipeline. (sales data coming into S3 parts and move into azure blob in csv format).
3. Created ETL / ELT pipelines.
4. Delete activity which is available in blob container through ADF pipeline and also performed other many activities as per business requirements.
5. Analysis on different file formats using ADF pipeline.
6. Created pipelines, linked services, datasets, data flows, storage accounts in ADF.
7. Data Transformations Using ADF and Azure Synapse Analytics.
8. Created Incremental load pipeline in ADF.
9. Analysis on ADF parametrization and Dynamic contents.
10. Created pipelines using ADF and Azure Synapse Analytics
11. Data Migration from on-premises to cloud.
12. Implementation and analysis on different file formats.
13. Created data flows and performed transformation function on ADF and Azure Synapse Analytics.
14. Data Visualization using Power Bi.

Examity || Hyderabad || 09/2019 – 11/2021
Senior Customer Service Executive

Project: Data Analysis on University Database Application
Tech Stack: ADF, Go-To-Application, Zoom Application, Azure Synapse
Tasks:
1. Worked for Arizona Client.
2. Assisted in an internal project to create data pipeline and migrated data from on – premises to cloud.
3. Supported Arizona client for launching new application and troubleshooted the defects in the application and also monitored.
4. Performed different Data Transformations

Google Analytics Academy || 07/ 2019 – 08 / 2019
Professional Trainee

Project: Data Analysis on Employees and Department Database
Tech Stack: Data Studio
Tasks:
Created reports, dashboards, Charts, Graphs based on data.

Cognizant || Hyderabad || 03/ 2018 – 06 / 2019
Process Executive

Project: Performed Tasks on Business Requirements
Tech Stack: ADF
Tasks:
1. Have been awarded as THE BEST PERFORMER.
2. Aligning data architectures with the business or project requirements
3. Involved in building the data pipelines and performed transformations using ADF.

Sunsoft Training Institute || Bidar || 06/ 2016 – 02/ 2018
Professional Trainer

Project: Payroll Management System for Data Analysis
Tech Stack**:** SQL, SSMS, MySQL, ADF.
Tasks:
1. Created tables and inserted data into them.
2. Designed Database Architecture.
3. Explored tables and listed Employees and departments based on conditions.
4. Displayed records in an ordered manner and handles null values.
5. Created a back-up of the table when migration was going on.
6. Worked on Joins, Window Functions, DDL, DCL, DML, TCL for Data Analysis.

Education Credentials

Bachelor of Technology
Electrical and Electronics Engineering – 2016.
Karunya University, Coimbatore.

Diploma
Electronics and Communication – 2013.
Govt Polytechnic College, Bidar.

Personal Information

Name: Deepika Rani.
Date of Birth: 21-June-1994.
Language Known: English, Hindi, Kannada.