



# Ram Sai Karthik Unnam

## Assistant Manager - Azure Data Engineer

3.5 years of strong experience in the IT industry as a Azure Data Engineer with experience in designing, development, implementing ETL, data movement solutions using Azure Data Factory(ADF), Azure Databricks (PySpark with Python), SQL into Azure Data Lake Storage and Azure SQL Databases.

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## WORK EXPERIENCE

### Assistant Manager - Azure Data Engineer Deloitte

08/2021 - Present

Hyderabad

#### Achievements/Tasks

- Create a Databricks notebook for a module of postal mails using PySpark which reads csv data from Azure Storage account.
- Analyse and filter the data to perform required business data transformations by populating new columns.
- Improved performance of databricks notebooks by creating delta tables in Databricks and cached the data frames which are frequently used.
- Created Stored Procedures in SQL Server which populates the time value credits of each postal route for the end business users.
- Created an Azure Data Factory pipeline per module which calls Databricks notebooks and stored procedures.

### Azure Data Engineer Tata Consultancy Services

08/2018 - 07/2021

Hyderabad

#### Roles and Responsibilities :

- Expertise in creating data pipelines in Azure Data Factory for migrating data from on-premise to Azure. Migrated flat files data to Azure SQL Databases and Azure Data Lake.
- Created PySpark application for data transformations and data processing with Python in Azure Databricks.
- Removed duplicate data, exposed bad records, modified schema in the PySpark application.
- Created multiple pipelines, activities, data sets, mappings in data flows.
- Created triggers and scheduled data factory jobs.
- Developed Azure DevOps Release pipelines for automating the Azure Data Factory code to higher environments (SIT, UAT, Prod).
- Configured variable groups, pipeline variables in DevOps release pipelines.
- Used Azure Key Vaults for secrets which were used by DevOps pipelines and Azure Data Factories.

## SKILLS

Azure Data Factory

Azure Databricks

Java

Azure Data Lake Store

Python

PySpark

Azure DevOps

SQL

## PROJECTS

1. Design and implement a solution to ingest data from on-premise files on an hourly basis and process the data using Azure Data Factory, Python to Azure Data Lake Store and Azure SQL Databases.

2. Migrate the on premise flat files data from FTP drive to Azure Data Lake Store, Azure SQL Database with Data Flows and schedule it on a daily basis.

3. Route Optimisation Platform - In Progress

## ORGANIZATIONS

Deloitte (08/2021 - Present)

Assistant Manager - Azure Data Engineer

Tata Consultancy Service (10/2018 - 07/2021)

Systems Engineer - Azure Data Engineer

## LANGUAGES

English

Full Professional Proficiency

Hindi

Professional Working Proficiency

Telugu

Full Professional Proficiency

## EDUCATION

### B.Tech - Electronics and Communications Engineering

JNTUH College of Engineering Hyderabad

05/2018

78.6%