**VISHAL YADAV**

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Backend developer with 2+ years of expertise in data engineering and web development using Python. Proficient in designing and implementing ETL pipelines using Azure Data Factory. Additionally, certified Microsoft Data Engineer Associate.

**PROFESSIONAL EXPERIENCE**

**KNOWLEDGE LENS - A ROCKWELL AUTOMATION COMPANY Bangalore, IND**

**Data Engineer Oct 2021 - Present**

As a Data Engineer serving multiple consulting clients, I have been instrumental in delivering data-driven solutions that drive business success and decision-making across diverse industries.

* Designed and implemented orchestration of an Azure-based data lake, managing a data flow of over 10 terabytes per day for data ingestion, warehousing, and reporting, while assuming end-to-end monitoring responsibilities.
* Led the successful implementation of critical Azure resources, including ADF, Databricks, ADLS, SHIR, Key Vault, Logic App, etc., for a manufacturing client's data engineering project encompassing SAP and other data sources. Demonstrated a strong focus on cost optimization throughout the project lifecycle which led to cost savings of up to 25%.
* Collaborated and developed multiple python Flask and FastAPI services which follow complex business rules and support the back end for an Angular based web application for a major east coast client.
* Excelled in leading and training a team of 50 interns while collaborating on Azure-related API proof of concepts (POCs) and proofs of value (POVs) using FastAPI and Flask.
* Designed and implemented scalable data warehouses in Azure Synapse, optimizing for performance and cost efficiency, integrated with other Azure services, such as Azure Data Lake Storage and Azure Databricks.
* Utilized Terraform to deploy and manage Azure resources for data warehousing, including Azure Synapse Analytics, Azure SQL Data Warehouse, and associated services which led to time savings of up to 75%.

**TECHINCAL SKILLS**

* Python
* ADLS
* PySpark
* Azure Devops
* Terraform
* Azure Data Factory
* Databricks
* SQL and NoSQL
* Jenkins
* PostgreSQL
* Flask & FastAPI
* Azure & AWS Cloud
* Azure Synapse Analytics
* ETL
* Kubeflow

**EDUCATION**

**CENTRE FOR DEVELOPMENT OF ADVANCED COMPUTING (C-DAC) Bangalore, IND**

***Diploma in Big Data Analytics*  2021-2021**

**DR RAM MANOHAR LOHIYA AVADH UNIVERSITY Ayodhya, IND**

***Bachelor of Technology in Computer Science and Engineering* 2016-2020**

**ADDITIONAL INFORMATION**

* **Languages**: Fluent in English, Hindi
* **Certification**s: Azure Data Engineer Associate(DP-203)
* **Awards**: Best Team Player, Going above and beyond, Appreciation certificate for writing blogs on Terraform for GCP