

ADARSH KHOT

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TECHNICAL SKILLS

- **Programming Languages:** Python, SQL, MySQL, PySpark, C
- **Cloud Services/Libraries/BI:** AWS - EC2, S3, Glue, Redshift, EMR, Athena, RDS, Lambda, MWAA, SNS, MS AZURE – Azure Storage, Delta Lake, Synapse Analytics, SQL Pool, Data Factory, Databricks Pandas, NumPy, Informatica Power center, BI - PowerBI
- **Tools:** VS Code, Jupiter Notebook, PyCharm, Apache Airflow, Apache Spark, ServiceNow

WORK EXPERIENCE

Cognizant Technological Solutions, Bangalore

Programmer Analyst

Dec 2022 - Present

Pune, Maharashtra

- Creating and Monitoring AWS Airflow Dag's, Troubleshooting the AWS Airflow jobs.
- Checking whether all the source files are moved to the target location.
- Checking whether all the EMR clusters are terminated after completion of production.
- Documenting the Trouble shooting steps and closing the SPARC tickets without missing the SLA.

Cognizant Technological Solutions, Bangalore

Data Analytics and Artificial Intelligence Intern

May 2022 - Aug 2022

Bangalore, Karnataka

- Designed a robust data model for efficient data flow from cleansing to visualization, executed end-to-end ETL processes with Informatica, adept in extracting, transforming, and loading data into target locations.
- Undergone SQL training and mock project of cleaning and combining of data.
- Undergone various courses from Udemy and learnt the fundamentals of Data Engineer and lastly undertook mock project to apply my theoretical knowledge in a practical setting.

PROJECTS

Data ingestion and Migration to Cloud

/ Airflow, AWS, SQL, Python

- Designed and implemented a robust data ingestion pipeline from diverse client sources (websites, storage) to AWS S3.
- Leveraged Apache Airflow to orchestrate daily data jobs (DAGs) for seamless extraction, transformation, and loading (ETL). Transformed raw data into fact and dimension tables, ensuring high-quality data for BI dashboards.
- Implemented data quality checks within the pipeline to ensure accuracy, consistency, and reliability. Monitored data health, addressing issues promptly. Developed automated alerts for anomalies and discrepancies. Contributed to maintaining a high standard of data integrity across the organization.

Data transformation using ETL jobs

/ Informatica, SQL

- Designed and developed advanced ETL processes using Informatica PowerCenter, resulting in a 25% improvement in data processing speed. These processes extracted, transformed, and loaded data from various sources into the data warehouse.
- Developed and implemented over 50 Informatica mappings and workflows, resulting in a 20% increase in data processing efficiency. I also provided technical support for business applications, resolving issues promptly and increasing user satisfaction by 30%.
- Through By applying SCD Type 2 and optimized data flows, I contributed to faster insights and more efficient reporting for the organization. The organization achieved smoother data operations and improved end-user experiences.

AWARDS AND CERTIFICATIONS

- [AWS](#) – AWS Certified Cloud Practitioner
- [Microsoft](#) - Microsoft Certified: Azure Data Engineer Associate

EDUCATION

Jain College Of Engineering

Bachelor of Technology

Belgaum, Karnataka

July 2019 – June 2022

- Cumulative CGPA: **8.45/10.0**

