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, Pune   Dec 2022 - Present
Programmer Analyst   *Pune, Maharashtra*

- Creating and Monitoring AWS Airflow Dag's, Troubleshooting the AWS Airflow jobs. Checking whether all the EMR clusters are terminated after completion of production.
- Data validation and schema validation whether all the source files are moved to the target location with given schema and count of records.
- .Prioritized and managed ServiceNow tickets to meet tight deadlines, ensuring customer satisfaction. Documenting the Trouble shooting steps

Cognizant Technological Solutions, Pune   May 2022 - Aug 2022
Data Analytics and Artificial Intelligence Intern   *Pune, Maharashtra*

- 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 combing 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   Belgaum, Karnataka
Bachelor of Technology   *July 2019 – June 2022*

- Cumulative CGPA: **8.45/10.0**