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](https://learn.microsoft.com/api/credentials/share/en-us/AdarshDKhot-1026/F48D033F06A4EBA8?sharingId=8A3013DC140A92F8) - 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**