Abhijit Kunjiraman

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About me

- I am Abhijit Kunjiraman, a data professional currently pursuing a Master of Science in Data Architecture and Management at Northeastern University in Boston, MA. I have a Bachelor of Technology in Electronics and Telecommunication Engineering from NMIMS University in Mumbai, India
- I am a well-rounded data professional with experience in various technical areas such as programming, databases, DevOps, and visualization. I have experience working in cross-functional teams, collaborating on projects, and utilizing various tools and technologies to deliver effective solutions
- I am proficient in analyzing data for inspecting, cleaning, transforming, and modeling data with the goal of highlighting useful information. I have designed efficient data warehouses and data lakes for BI. I am also very good with ETL and cloud services like GCP, AWS and Azure with my major experience being using GCP.

My technical skills

- My technical skills include programming languages such as Python, SQL, HTML, Java, R, Unix, PL/SQL, and various databases including GCP Big Query, Oracle, PostgreSQL, MySQL, Snowflake, SSIS, SSAS, SSRS, MS SQL server, and MongoDB
- I have experience with Big Data Tools such as Apache Airflow, Apache Spark, Kafka, Alteryx, Talend, Informatica, and Visualization Tools such as PowerBI, Tableau, Azure Data Studio, SAS Visual Analytics, Looker, and Grafana
- I am also proficient in DevOps tools such as Kubernetes, Docker, Gitlab, GCP, AWS, and Git
- Additionally, have experience with Jira, Confluence, Putty, ServiceNow, Postman, Agile, Linux, Pandas, and NumPy

My work experience

- I have worked as a Data Systems Administrator at Wipro Technologies in India, where I used analytical skills to generate business reports using PowerBI and SQL, I collaborated with cross-functional partners to build dashboards, formulated ETL pipelines for sales data migration from Amazon Redshift to PostgreSQL, developed a Change-Data-Capture (CDC) module, and collaborated with teams to create documentation of the technical specifications for client's SaaS platform.
- I have also worked as a Data Engineer at Technocrat Services in India, where I designed efficient data warehouses, implemented automation jobs to schedule on-time delivery of business reports, developed ETL pipelines using Python, Talend, Alteryx, and stored data in OLAP, and generated and bookmarked views for efficiently generating business reports using SQL and Tableau according to business requirements.

My academic projects

- ML/OPS, NLP, ML, Deep learning, ETL, SaaS, GCP, Shell, CLI, Linux, Airflow, FastApi, Postman, Streamlit, Compute Engine, Docker:
  - I have completed relevant projects titled 'Amazon product recommendation project using review sentiment analysis' where I trained a CNN based NLP model on sentiment analysis dataset, deployed it through REST API using Docker and Google Cloud Run, scraped Amazon using BS4 to get product details, reviews of all products, built GitHub workflows to implement CI, and deployed Airflow on cloud VM.
  - Automating Benchmarking of data https://github.com/Abhijitrk97/Assignment-4
  - Model as service https://github.com/Abhijitrk97/Assignment-3b
  - Model as a Service https://github.com/Abhijitrk97/Assignment-3
  - Data as a Service https://github.com/Abhijitrk97/streamlit_planes
- Data Warehouse, ETL, Transactional database.
  - I have also completed a data integration project for IMDB data, where you designed an Enterprise Data Warehouse (EDW) by dimensional modelling utilizing star & snowflake schemas, implemented data integration by ETL workflows using Alteryx & Talend, and designed interactive dashboards to analyze, capture insights using Tableau and Power BI regarding various movies.
  - Additionally, you have completed an online shopping management project using Oracle Database, where you conceptualized an ER diagram using 4NF form to create a relational DB for robust business use cases and analysis, designed a relational database on Oracle Database, scripted in PL/SQL to create tables, stored procedures, user-defined functions, triggers, indexes, and views.
  - Data Warehouse for Boston Food licenses data https://github.com/Abhijitrk97/DAMG-7370/tree/main/Boston%20Food%20Licenses Here I designed an EDW and fed the data using ETL through Alteryx and managed to maintain integrity of the data.
  - Data Warehouse for Boston Food licenses data https://github.com/Abhijitrk97/DAMG-7370/tree/main/OpenData%20Dallas%20Food%20Inspections Here data wasn't was taken from multiple sources then appropriately joins were planned to get the most accurate version of merging the data to get the actual picture. Then an EDW was designed and Alteryx was used to load data into Postgres