

# JEEVANREDDY KOMMULA

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## WORK EXPERIENCE

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### Data Engineer | Brooks Running, Seattle, USA

May 2022 - Jan 2023

- Spearheaded the development and implementation of data pipelines in **Snowflake**, automating processes and reducing manual intervention by 99%, while empowering business users with enhanced data ownership.
- Successfully deployed **Streamlit** applications in **Python** on **AWS EC2**, resulting in a remarkable **90%** reduction in time expended for business users.
- Implemented **DELSERT** logic in **SQL** to dynamically handle primary key/composite key updates, resulting in a 50% reduction in execution time and enhanced stability for data deletion and insertion operations.

### Data Engineer III | NeenOpal Intelligent Solutions, Bangalore, Karnataka

May 2020 - Dec 2021

- Orchestrated 30+ **Data pipelines for ETL** using **Azure Data Factory** to automate daily sales reports from **MongoDB** (NoSQL), **MySQL**, App Store Connect API, and Shopify to **MSSQL** Server for an E-fitness company.
- Streamlined **ETL** logic using **AWS Glue**, Orchestrated pipelines using **Airflow** and troubleshooted by analyzing event logs, and integrated the data with Power BI Dashboards across 3+ client teams.
- Fabricated modularized **Python** ingestion scripts for batch data supplied by 4 API endpoints, such as Socrata and others, to ingest in **AWS RedShift**.
- Operationalized Development & Deployment of 2 Machine Learning Models in **AWS SageMaker** using **Docker** containers saving 100+ hours monthly.

### Data Engineer IV | NeenOpal Intelligent Solutions, Bangalore, Karnataka

Jan 2019 - Apr 2020

- Performed **ETL** using custom **Python** and **SQL** scripts to analyze 15+ datasets with 100+ columns. Developed an optimized **Supply Chain** procurement for a textile company and presented results on a **PowerBI** dashboard.
- Implemented **CRISP-DM** methodology, diagnosed Exploratory Data Analysis (EDA), and helped reduce orders' lead time by **15%** by integrating production and sales data in Power BI dashboards.

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## PROJECTS

### Household Energy Consumption Forecast Application

- Built ETL pipelines orchestrated with **Airflow** and a **Streamlit** application, utilizing a **neural network model** to forecast monthly electricity and energy bills on **PowerBI**.

### RFM Segmentation and Sales Analysis for an E-commerce Company

- Built Business Intelligence dashboards using **Tableau** and **Azure Databricks** for an eCommerce business by segmenting the consumers based on 3 metrics - Recency, Frequency, and Monetary ([Link](#)).

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## ACHIEVEMENTS & LEADERSHIP

**Hacker Rank SQL Expert, LeetCode SQL Badge** ([LeetCode](#)), Secured State 9<sup>th</sup> in TSBIE Examination.

Student Coordinator of Media & PR team— led a team of 40+ students, Coordinator of Carrom club for 2 years.

## SKILLS

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**Programming Languages:** Python (Pandas, NumPy, Seaborn, Streamlit, Scikit-learn), SQL, Scala.

**Databases:** BigQuery, Oracle, MS SQL Server, PL/SQL, MongoDB, HBase, AWS Redshift, Hive, Vertica

**Data Engineering:** ETL, Hadoop, Airflow, Apache Spark, Docker, Kafka, Informatica, PySpark

**Cloud Technologies:** AWS, Snowflake, Git/Bitbucket, Azure, Databricks

**Visualization Tools:** Tableau, PowerBI, Google Data Studio, Excel, JIRA

## EDUCATION

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**Master of Science in computer science**, University of central missouri, missouri

Dec 2022

**Bachelor's in technology in computer science and engineering**, LPU, punjab, india

may 2020

