

Sadika Kopparthi

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Personal Summary

I am a professional I.T Analyst with 2+ years of experience with good knowledge in GCP BigQuery, Python, Airflow, SAP Basis, SAP GUI, and Tableau. Proficient in managing databases like MySQL and Hana. I am actively seeking a challenging and dynamic role like Data Engineer & Business Analyst where I can leverage my technical skills, domain knowledge, and dedication to contribute effectively to organizational growth and customer satisfaction.

Education

Master of Science: Management Information System

Oklahoma State University – Stillwater, OK

Aug 2023 - May 2025

GPA: 3.9/4

Bachelor of Technology: Electronics and Communication Engineering

Madanapalle Institute of Technology and Science – India

June 2017 - May 2020

GPA: 7.5/10

Technical Skills

Languages & Analysis: Python (Pandas, NumPy, Seaborn), Bash, PowerShell, SQL, Excel, Basics of Java

Data Visualization: Tableau Desktop, Power BI

Databases: MySQL, SAP HANA & BigQuery

Tools & Platforms: SAP Basis, SAP GUI, Remedy force, Control-M, KNIME

Cloud: Google Cloud Platform (GCP)

Certifications: Tableau Desktop Specialist, Google Professional Data Engineer

Professional Experience

Data Engineer (GRA) | Oklahoma State University

Jan 2024 – May 2025

- Worked with the students in implementing data pipelines using Cloud Dataflow, BigQuery, and GCS.
- Designed and delivered lab sessions on streaming data with Pub/Sub, ETL with Apache Airflow, and SQL optimization in BigQuery.
- Assisted students in developing CI/CD pipelines with Cloud Build and orchestrating workflows with Cloud Composer (Airflow).
- Monitored GCP usage, analyzed billing reports, and educated students on cloud cost optimization techniques.
- Contributed to curriculum updates by integrating Bigtable, Dataproc, and Looker Studio (Data Studio) into teaching materials.

I.T Analyst | Capgemini Pvt. Ltd – Bengaluru, India | Client: Burberry

Sep 2021 – Aug 2023

- Collaborated with the development team to support SAP Basis application and manage knowledge transition.
- Monitored batch schedules, resolved production defects, FTP, and printer issues using SAP GUI and Control-M.
- Provided end-to-end support for SAP Basis & GUI applications, including enhancements and defect fixes.
- Extracted EWA/SOIN reports and performed system restarts, refresh activities, and access provisioning.
- Utilized RMJ and Transport Expresso tools, contributing across development, testing, deployment, and support phases.

Projects

Traffic Accidents Data Analytics System | Python, SQL Server, MongoDB

- Designed multi-layered data architecture including OLTP (3NF), OLAP (star schema), and NoSQL (MongoDB) to analyze 700,000+ UK road accident records.
- Automated ETL with Python, created 10+ stored procedures for scalable setup, and uncovered insights on vehicle types, driver demographics, and environmental risk factors.

Injury Severity Prediction in Crashes (CRSS Data) | KNIME

- Engineered a KNIME-based injury severity prediction pipeline using Random Forest, achieving 72.8% accuracy and 0.782 AUC.
- Preprocessed 80,000+ crash records, applying feature engineering and Equal Size Sampling to address class imbalance and enhance model reliability.
- Deployed automated scoring and monitoring workflows with KNIME for weekly batch predictions and model drift detection.