

# KOLAGATLA SATYANARAYANA REDDY

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## PROFILE SUMMARY

Targeting **GCP Data Engineering** roles with an organization of high reputation with a scope of improving knowledge and further career growth

- **ETL developer** (Extract, transfer, load) (**Data Fusion, dataflow, dataproc**) with a strong background in building scalable ETL Jobs
- Demonstrated ability to manage projects from planning to deployment, staying updated with industry trends and continuously enhancing skills to deliver innovative solutions.

## EDUCATION

**Bachelor of Technology in Electronics and Communication**

**June 2020 – May 2024**

KKR & KSR INSTITUTE OF TECHNOLOGY AND SCIENCES

Guntur, India

**CGPA: 8.5**

## WORK EXPERIENCE

### Data Engineering

**FARIZ INFO SOLUTIONS PVT. LTD** | Hyderabad, India

**NOV 2024 - present**

- Extracted **terabytes** of data from **on-premises systems to Google Cloud** using Data Fusion, Dataproc, Cloud Storage, and BigQuery, enabling seamless migration to a Data Lake.
- Developed and maintained **ETL pipelines** with Cloud Composer for orchestration, ensuring smooth data transformation and loading into **BigQuery** for analytics.
- Orchestrated and integrated data flows with Data Fusion, optimizing performance and scalability.
- Processed large datasets using **Dataproc** (Hadoop/Spark), optimizing for cost and efficiency.
- Assisted in designing data lake architectures in Cloud Storage, automating **daily ETL jobs** and monitoring pipeline performance to ensure minimal downtime and efficient data management.
- Collaborated with cross-functional teams to define data requirements, troubleshoot issues, and contribute to cost optimization by evaluating cloud storage and processing expenses.

## TECHNICAL SKILLS

**Cloud Platforms:** Google Cloud Platform (BigQuery, Cloud Storage, Data Lake, Composer)

**ETL Tools & Concepts:** Data pipeline development, data ingestion, transformation, scheduling

**Programming:** Python, SQL.

**Databases:** BigQuery, PostgreSQL.

**Developer Tools:** VS Code, Git.

## PROJECTS

**ETL Pipeline from MySQL to BigQuery** | Data fusion, Dataform, Bigquery, Cloud Storage

**April 2025**

### Project description:

- **Developed an end-to-end ETL pipeline** to extract **98 million records** from MySQL, transform the data, and load it into BigQuery using **Google Cloud Dataflow** and **Data Fusion**.
- Orchestrated data extraction and transformation in Data Fusion, ensuring compatibility with BigQuery and optimizing data workflows.
- Automated daily ETL jobs with Dataflow to ensure continuous data synchronization and efficient real-time processing.
- Evaluated pipeline performance by conducting a **cost and time comparison**, optimizing for both budget and processing efficiency, and presenting findings to stakeholders.

**Project description:**

- Led the development of an IoT solution for real-time stress analysis using heart rate data.
- Integrated hardware (Arduino Uno, heart rate sensors) and software for seamless data collection.
- Collected heartbeat data from 20 individuals with varying stress levels for analysis.
- Engineered an algorithm to convert heartbeat variability into stress percentage predictions.
- Enabled binary stress prediction and real-time result visualization on mobile devices.
- Demonstrated expertise in hardware-software integration, algorithmic, and real-time data analytics.

**Weather Report** | HTML, CSS, JavaScript | merged in GitHub. [Link](#)

May 2023

**Project description:**

- Developed a weather report project using HTML, CSS, and JavaScript for a dynamic user experience.
- Created a user-friendly and responsive design to enhance accessibility across devices.
- Implemented API requests for real-time weather data retrieval and display.
- Utilized JavaScript for interactive features and improved user engagement.
- Employed HTML and CSS to build a visually appealing and structured layout.
- Demonstrated skills in frontend development, responsive design, and API integration.

## CERTIFICATIONS / ACHIEVEMENTS

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- Certified by Internshala in Web Development.
- Certified by TCS NQT on Aptitude and Coding Skills.
- Certified by Hacker Rank on MYSQL (Structured Query Language).
- Achieved a **6-star Badge in problem** solving and programming on Hacker Rank [Link](#).
- **200+ problems on LEETCODE**, focusing on logical Reasoning and problem-solving [Link](#).
- Certified by Cisco Learning Networking on Problem Solving using JavaScript, Python, and Java
- Certified by IEEE in IEEE communication Society.