SURESH SIVAKUMAR

Data Engineer

Clane, Kildare, W91TH64, Ireland • +353 0894315976 • sureshsivakumar.n@gmail.com
www.sureshsivakumar.online

SUMMARY

Google Cloud-certified Data Engineer with 3+ years of experience in building and maintaining scalable ETL pipelines, real-time data processing systems, and cloud-native analytics infrastructure. Proven track record in optimizing data workflows on GCP (BigQuery, Dataproc, Dataflow, Pub/Sub), with hands-on experience in Apache Spark, Airflow, SQL, and Python. Adept in data modeling, dashboard reporting, and cross-functional collaboration. Seeking to apply advanced cloud and big data expertise to drive data-driven decisions in fast-paced environments.

WORK EXPERIENCE

Data Engineer | Accenture | Bangalore, India   **2021 - 2024**

- Built and maintained ETL pipelines using Dataproc (Spark/Hadoop) for ingesting data from GCS and loading into BigQuery.
- Partnered with data scientists to define and implement data requirements aligned with client business goals.
- Automated workflows for structured data with schema evolution, reducing manual effort by 30%.
- Optimized Spark jobs to reduce processing time by 40% and lowered overall cloud compute costs.
- Maintained high-volume real-time data streams and supported self-service analytics for BI teams.
- Designed real-time dashboards in Data Studio, improving reporting efficiency by 25%.

Junior developer Intern | AVP Consulting | Chennai, India   **2020 - 2021**

- Developed dynamic web interfaces using ASP.NET, jQuery, and Apprivo in a full SDLC environment.
- Wrote complex SQL queries, stored procedures, and business logic for reporting and backend modules.
- Used Azure DevOps for code commits and implemented CI/CD pipelines for deployment automation.
- Supported testing, debugging, and maintenance of modules for client applications.

TECHNICAL SKILLS

- **Language:**
  SQL, Python, Bash

- **Big Data Technologies:**
  Apache Spark (Databricks), PySpark, Apache Kafka, Apache Airflow, ETL, Data Modeling

- **Cloud Platforms(GCP):**
  BigQuery, Dataproc, GCS Buckets, Dataflow, Pub/Sub, IAM

- **Data Analytics & Visualization:**
  Tableau, Google Data Studio

- **Workflow & Orchestration**
  Apache Airflow, Cloud Composer, dbt

- **Dev & Version Control**
  Github, GitLab, Bitbucket

EDUCATION

MSc in Computer Science(Software Engineering)   **2024 - 2025**
Maynooth University
Ireland

Bachelor of Engineering in Computer Science   **2016 - 2020**
Vels Institute of Science, Technology and Advanced Studies
India

CERTIFIFCATIONS

Google Cloud Certified Professional Data Engineer
https://www.credly.com/badges/73593213-5e10-485f-9ea5-27678a89236d/public_url

Google Cloud Certified Associate Cloud Engineer
https://www.credly.com/badges/f730c503-b24e-4f78-ae28-59e8a1ac2ce0/public_url

---

MASTER'S THESIS

Aspect-Based Employee Sentiment Analysis using LLMs

Developed a system to extract aspect-level sentiment from employee feedback using fine-tuned LLMs (BERT, RoBERTa, T5, GPT variants). Explored multi-task learning, domain adaptation, and data augmentation to classify and interpret nuanced workplace sentiments. Evaluated model performance using F1-score and human judgment.