

SANDEEP GUPTHA

AI and Data Consultant

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Summary

Dynamic and results-oriented data engineer with 5 years of hands-on experience in data engineering, specializing in retail, media, and finance analytics. Proficient in leveraging Google Cloud Platform (GCP) tools and technologies to architect, develop, and optimize end-to-end data solutions. Skilled in designing scalable data pipelines, ML pipelines, integrating diverse datasets, and empowering stakeholders with actionable insights. Adept at utilizing a wide array of programming languages and ETL tools to tackle complex data challenges and drive business value.

SKILLS

Tools and technology: Data Warehousing, Data Analytics, ETL Pipeline building, Airflow, Apache beam, pySpark, Data modelling, MLOps, Generative AI, Terraform, Git, CI/CD Data Ops, Data Flow, Agile methodology, Big Query.

Programming Languages: SQL, Python, Linux and Java

Cloud Platform: Google cloud platform, Amazon web services and Azure

WORK EXPERIENCE

AI and Data Consultant

Deloitte USI, Hyderabad, Oct 2024 – Present (Alphabet)

- Developed and maintained **backend systems** for Google.Inc finworks data platform.
- Specialized in managing monthly reports, overseeing the extraction, and loading of data into GCP Big Query
- Oversees the **data and ML pipelines** and works on the bugs in production environment.
- Create and deploy changes for **ML models** by adding **features and labels** to improve the model performance with the help of vertex AI.

Senior Data Engineer

LTIMindtree, Hyderabad, November 2022 – October 2024 (Loreal)

- Developed and maintained **high-performance backend systems** for L'Oréal beauty tech data platform.
- Specialized in managing L'Oréal's North Asia data ecosystem, overseeing the extraction, and loading of data into GCP Big Query
- Revamped warehouse SQL scripts, resulting in a threefold **reduction in data loading time** compared to previous performance.
- Led the development of a SharePoint to Google Cloud Storage (GCS) **cloud run application** utilizing the **Microsoft Graph API** with **100% security compliance**.
- Collaborated with China's On-site business team to develop new requirements.
- Optimized existing **Apache Beam** Dataflow applications which **reduced loading time by 10 minutes**.
- Automated GCP infrastructure as code (IAC) using **Terraform** and scheduled monthly using **Airflow**.
- Worked as **production Admin**, reviews the code push, data delete requests and PROD maintenance.

Analyst/Software Engineer

Capgemini, Bengaluru, June 2021 – November 2022 (PSA)

- Collaborated with various team and management to understand the requirement and **design the complete system**.
- Implemented the complete big data pipeline with **batch & near real-time** processing
- Developed Apache beam application in python to warehouse the data to Big Query using **Data Flow and Pub/Sub**
- Modified the existing ETL pipelines which reduced **20x of data loading time**.
- Created the batch pipelines using **Cloud fusion** to warehouse the data Querying the data on top of Big Query and creating ML Models for analysis.
- **Monitored and supported** three data applications which runs almost **50+ Airflow DAGS**

Solution Provider/ Analyst

Hettich India Pvt Ltd, Mumbai, January 2020 – May 2021

- Trained on various Business intelligence and Data engineering tools.
- Learned about business and solution implementation with **agile approach**.
- Create business analysis reports with the help of senior associates.
- **Monitored and supported** retail sell out data application for **APAC Business**

STRENGTHS

Problem Solver: Developed innovative solutions resulting in a 30% reduction in system downtime.

Collaborative Team Player: Successfully collaborated with cross-functional teams to deliver projects on time and within budget.

Strong Analytical Skills: Utilized data analysis techniques to build and optimize system performance, resulting in a 20% improvement in response time.

Leadership skills: Ability to lead and maintain the team also able to collaborate and communicate with onsite leads.

Achievements

- Received **client-side appreciation** for delivering 2 data applications before the delivery date.
- **Mentored** and fostered a data mindset in **two freshmen**, elevating to **junior data engineer** roles.
- **Received appreciation** for implementing manual files loading between Microsoft share point to Google cloud bucket having auto archival system.
- Led the **knowledge transition** for operations team.
- Improved backend development process using **CI/CD implementation** between Development and Operations

Extracurricular activities

- Mentoring Jobseekers
- Cooking
- Environmentalist

Education

Lovely Professional University

B. Tech (Bachelor of Technology), Aug 2017 – July 2020, 7.8/10, CGPA