Gautham Kolluru

GitHub | LinkedIn | Stack overflow | Hacker Rank

Mob: +1 240-639-9934 | Email: gautham.kolluru@gmail.com | Website: thegauthams.com

Summary

I Love **solving problems *in*** consuming data (*Data Engineering*) and **by** consuming data (*AI/Data Science*) using **coding**.

I am a **Data Engineer** with a passion for storing data efficiently and build robust data pipelines for Data Scientists.

Skills

Programming Languages: **Python, Java, Rust, SQL, Bash**

Cloud & Bigdata: **Google Cloud Platform (GCP), Hadoop, Spark, Snowflake, Airflow**

Experience

Data Engineer, Cisco; Raleigh, NC, USA — 2021-Present

- Architected and optimized data pipelines resulting in 20% performance improvement across systems
- Implemented sophisticated caching mechanisms for LLM and RAG-based chatbot, achieving 30% faster response times
- Developed an innovative natural language to SQL conversion system using LLM technology
- Designed and maintained mission-critical data pipelines for Fortune 500 telecom companies, focusing on network monitoring and threat analytics
- Led the implementation of a threat analytics system with 3+ years of continuous uptime

Data Engineer, 84.51o; Cincinnati, OH, USA — 2020-2021

- Built a data pipeline that executes **20 billion rows with 20 columns of data and 40 steps of transformations in about 23 mins** for a major retail company for finding offer applicability for a customer

Data Engineer, Cisco; Bengaluru, KA, IND — 2019-2020

Built batch processing data pipelines *executes **twice weekly** handling incremental updates* to move data between:

- Smartsheet to GCP Dataprocs
- GCP Dataprocs to Snowflake
- GCP Dataprocs to GCP Dataprocs

NLP Engineer, Cisco; Bengaluru, KA, IND — 2019-2020

Developed a chatbot that interacts with the user as first point of contact and transfers the conversation to a specific bot (with the context) for the specific resolution.

Consultant, Talent Sprint; Hyderabad, TG, IND — 2018-2019

Developed and deployed a *data science model* that suggests the optimized arguments for the execution parameters of the task at hand.

Software Engineer, Global Data; Hyderabad, TG, IND — 2018-2018

Automated 2 data pipelines involving extraction of data from multiple sources including **HTML and XML pages & HTTP and FTP** servers and loading onto **on-prem SQL Servers** after required cleanings and transformations.

*Implemented **changing proxies** and leveraged on **multi-processing** execution and runs **thrice weekly** on multiple machines*

Software Developer, Invincible Software Solutions Integrated; Visakhapatnam, AP, IND — 2017-2018

Developed **Backend and Database** for **12** web applications. Built descriptively analyzed data visualization reports using **Tableau** (& **SSRS**) for *USA* based *federal* clients.

Project Engineer, Royal Oman Police; Muscat, OM — 2013-2015

Designed and developed database for Speed Cameras and developed *automated transfer of data* from the *primary (OLTP)* servers to *secondary (OLAP)* servers.

Automation Engineer, Mott MacDonald; Abu Dhabi, UAE — 2009-2012

- Implemented automation multi-threaded document pooling using string search across systems from different geographies
- Automated emails sends to a list of email address with the above found documents as attachments

Education

Andhra University, Visakhapatnam, AP, IND — B. Tech (**Computer Science Engineering**), 2009