



ankit kaushik

SENIOR DATA ENGINEER (AI INTEGRATION & DATA PLATFORM ARCHITECTURE)

Profile

With 18 years of experience in **data engineering, machine learning, and business intelligence**, I possess a diverse skill set spanning modern data platforms, ETL/ELT tools, and BI solutions. I'm currently pioneering an Agentic AI framework to integrate large language models with legacy systems. I bring cross-functional experience spanning Hospitality, Finance, Insurance, and Law Enforcement. Combined with expertise in regulatory compliance (GDPR, PCI-DSS, CJIS, SOX).

Data Engineering & Automation

I'm proficient in **dbt Core, Airflow, and CI/CD automation** using GitHub Actions. I have hands-on, end-to-end experience deploying Python packages to **PyPI.org**, and I thrive in Python-based data engineering projects using tools like pytest, pylint-, poetry, uv, SQLAlchemy, and pandas.

Technical & Solution Architecture

Designing Scalable, End-to-End Data Platforms Across Cloud and On-Prem Environments.

Bridging Ingestion, ETL/ELT, Orchestration, and Insight with Modern Data Stacks and delivering Robust, Modular Architectures with BigQuery, Snowflake, dbt-core, Apache Airflow, Looker, Power BI, Tableau

Machine Learning

I'm experienced in building, training, and managing ML models using **BigQuery ML** and **Postgres ML**, enabling predictive analytics within cloud-native pipelines.

Business Intelligence

I'm adept at delivering actionable insights through **Looker Studio, Tableau, and Power BI**, transforming raw data into accessible visual stories.

ETL & Data Modeling

My background includes working with ETL tools like **Informatica Power Center**, **Informatica Cloud (IDMC)**, and **Talend Data Studio**, and I have deep experience in designing data models for both **OLTP** and **OLAP** systems.

AI Integration

Currently engaged in an **Agentic AI framework project** that leverages **MCP protocol** to enable seamless communication between **Large Language Models (LLMs)** and legacy on-prem systems such as Postgres DB, File Servers. This initiative bridges cutting-edge AI with real-world enterprise infrastructure.

Industry Expertise & Compliance

My career spans sectors like **Hospitality, Finance, Insurance, and Law Enforcement**, giving me a well-rounded perspective on domain-specific challenges. I bring strong fluency in regulatory compliance—including **GDPR, PCI-DSS, CJIS, and SOX**—which allows me to design and implement secure, compliant solutions in highly regulated environments.

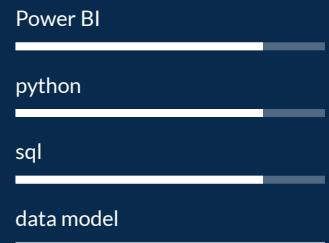
Details

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Links

[Portfolio](#)
[Github](#)
[Published Articles](#)
[Stackoverflow](#)

Skills



Hobbies

Landscape and Analogue Photography
Long Distance Running (Marathon/Half Marathon)

Employment History

System Analyst, Dept. of Safety NH (Contractor), Concord, NH

APRIL 2020

Business System Analyst, Caesars Entertainment (Contractor), Las Vegas, NV

JULY 2018 – MARCH 2020

Business Analyst, Aflac (Contractor), Atlanta, GA

FEBRUARY 2017 – JUNE 2018

Data Engineer, Thrivent Financial (Contractor), Appleton, WI

SEPTEMBER 2009 – JANUARY 2016

Sep 2009 – July 2013

System Engineer, ING (Contractor), Noida, India

DECEMBER 2007 – AUGUST 2009

Education

Bachelor of Technology (I.T), MIET College, Meerut affiliated with U.P Technical University, Meerut, (UP) India

AUGUST 2003 – JULY 2007

Completed 4-year B. Tech (Information Technology) degree course from