

GAURAV KUMAR

Jaipur, Rajasthan | [LinkedIn](#) | +91 7014938338 | gk0415439@gmail.com

WORK EXPERIENCE

Pratham Software

Senior Data Engineer

Jaipur, Rajasthan

October 2023 – Present

- **Optimized Data Infrastructure for McKinsey's Periscope Price Tool:** Supported and optimized data pipelines for the tool by designing scalable workflows that seamlessly processed diverse real-time market and consumer data, enabling dynamic pricing insights and driving revenue growth.
- **Built a flexible document parser:** Leveraged Python, Azure Document Intelligence, and GPT-4 to extract payroll data from diverse document layouts, employing robust data models and advanced error handling for scalable processing.
- **Developed dynamic system architecture:** Designed a modular template matching solution to adapt to varying payroll formats, ensuring seamless integration of new document types and enhancing overall system flexibility.
- **Built an intelligent chatbot solution:** Conceptualized and deployed a multi-functional chatbot for invoice automation using Langchain and Vanna.ai, integrating a vector database and text-to-SQL functionality to streamline user support and query resolution.
- **Enhanced collaboration and quality:** Utilized Git for version control and rigorous testing, incorporating user feedback to continuously refine both solutions and maintain high code quality.

Mandelbulb Technologies

Data Engineer

Jaipur, Rajasthan

October 2022 – September 2023

- **Engineered robust data pipelines:** Leveraged Airbyte, Databricks, and Azure Data Factory to extract data from diverse REST APIs and standardize it into FHIR format, reducing extraction time by 20% and enhancing data quality for healthcare analytics.
- **Streamlined workflow orchestration:** Utilized Airflow DAG factories, Kubernetes, and Docker to automate multi-tenant data processing and alerting, cutting tenant onboarding time by 50% and boosting deployment efficiency by 25%.
- **Optimized ETL processes for actionable insights:** Employed Azure Functions and incremental loading techniques to transform data and calculate KPIs, driving a 40% improvement in decision-making efficiency while reducing data redundancy by 25%.
- **Implemented agile engineering practices:** Adopted best practices and agile methodologies via Azure DevOps (boards and repos) and open-source tools, ensuring continuous process improvement and effective cross-team collaboration.

Techno Solar Power

Data Engineer

Jaipur, Rajasthan

October 2020 – September 2022

- **Modernized ETL workflows:** Architected the migration from an on-premise SQL data warehouse to Azure Cloud using Synapse Pipelines, Data Lake Gen2, and Databricks for seamless SAP data ingestion.
- **Enhanced processing efficiency:** Transformed legacy SQL stored procedures into optimized PySpark scripts, leveraging in-memory computation and Delta Lake to reduce pipeline runtimes to 5–8 minutes.
- **Empowered data-driven insights:** Redesigned data models with Fact-Dimension modeling on Azure Synapse, enabling real-time Power BI reporting and the development of actionable KPIs.

PERSONAL PROJECTS

Real-Time Activity Tracker

Tech Stack: Kafka, Spark, Flask, Grafana, TimescaleDB, Docker, Git

January 2025 - Present

TicketAssist AI

Tech Stack: LangChain, ChromaDB, Ollama, FastAPI

November 2024 - January 2025

EcoPulse Dashboard

Tech Stack: FastAPI, LangChain, Azure OpenAI, PowerBI

December 2024 - January 2025

CERTIFICATIONS

- **Microsoft** | Azure Data Engineer Associate (DP-203)
- **Databricks** | Fundamentals of the Databricks Lakehouse Platform Accreditation

SKILLS & INTERESTS

Skills: Python | SQL | ETL | Data Engineering | Apache Spark | Apache Kafka | PySpark | Azure Databricks | Azure Data Factory | Apache Airflow | Airbyte | Azure Data Lake | Docker | Git | Agile | Generative AI | LLM | RAG | LangChain | Vector DB | Ollama | FastAPI | Document Intelligence

Interests: Artificial Intelligence, Reading

EDUCATION

MBM Engineering College

B.E. in Computer Science & Engineering

Jodhpur, Rajasthan

Graduation Date: September 2020

- **Organizations/Awards:** Directed a successful Theatre Society stage play production, awarded Second Prize in an AI Debate Competition by the Institution of Engineers, Jodhpur.