

Charan Kumar Kharade



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Profile

Msc Informatik student at **HFT Stuttgart** with 1 year of experience. Proficient in architecting **Azure/Databricks** solutions and **Medallion Architecture**. Optimized ETL latency by **25%** and query performance by **30%**. Specialized in building high-integrity, **GDPR-compliant** pipelines that transform raw data into strategic business outcomes.

Experience

07/2024 – 01/2025

India

LueurTech Software Solutions, Junior Data Engineer

- **Architected** end-to-end ETL pipelines using **PySpark** and **Azure Data Factory**; reduced ingestion latency by **25%**.
- **Optimized** Star Schema performance in **Databricks** via Z-Ordering; improved query speeds by **30%**.
- **Orchestrated** automated workflows via **Apache Airflow**, ensuring **99.9%** pipeline reliability.

01/2024 – 04/2024

Remote

OasisInfoByte Pvt. Ltd., Sales Analyst Intern

- **Automated** ingestion of **10k+** records using **Power Query**, cutting manual reporting by **12+ hours** weekly.
- **Identified** revenue leakage points via statistical analysis, leading to a strategic pivot in lead tracking.

Education

03/2025 – 08/2026

Stuttgart, Germany

M.Sc. Software Technology (Grade 1.6), Hochschule für Technik Stuttgart

- **Scholarship:** Awarded the Studienstiftung der HFT Stuttgart for academic merit.
- **Award:** 3rd Prize – HFT Stuttgart Hackathon (Data Visualization).

09/2021 – 07/2024

India

Bachelor of Computer Applications (Grade 1.7), Bengaluru North University

Skills

Data Engineering

Medallion Architecture, ELT/ETL, dbt

Programming

SQL, Python, PySpark

Cloud & DevOps

Microsoft Fabric (OneLake), Azure (Data Factory, ADLS Gen2, Event Hubs), Databricks, Airflow, Git, Docker, K8s, Power Automate.

Applied AI

Retrieval-Augmented Generation (RAG), LLMs, Vector Search, Machine Learning.

Projects

- 03/2026 – Present **Visualizing Dynamic Voting Behavior**, *Master's Thesis*
- **Developing** a visualization framework for the International Symposium on Graph Drawing (GD 2026).
 - **Applying** advanced analytical modeling to visualize temporal shifts and multivariate relationships.
- 10/2025 – 01/2026 **GitHub Data Ingestion & Trust Validation**, *BigData4Bizz*
- **Engineered** a scalable module to process GitHub community data for a distributed intelligence platform.
 - **Developed** a disparity detection algorithm to validate data veracity against AI-driven ChatBot responses.
- 06/2025 – 07/2025 **Real-Time Trip Analytics Platform (Azure & Databricks)**
- Built real-time data pipeline using Azure Event Hubs and PySpark Structured Streaming.
 - Processed streaming trip data to generate low-latency insights for dynamic pricing and operational optimization.
 - Implemented Medallion Architecture (Bronze-Silver-Gold) for scalable and reliable data processing.
- 04/2025 – 05/2025 **E-Commerce Sales Performance Dashboard (Power BI)**
- Developed interactive dashboards with advanced DAX measures (YTD/MTD) for KPI tracking.
 - Identified Technology category as top contributor (37% of total revenue), supporting strategic decision-making.

Languages

English

Business Fluent

German

Conversational (B1)

Achievements

Associate Data Engineer in SQL, *DataCamp*

Leadership & Volunteering

Part-Time Tutor

Volunteer, *cre8 Café - HFT Stuttgart*

Interests

Technical Blogger | Medium: Authoring deep dives on data topics including Fabric and Medallion Architecture.