

KANISHK KASHAYAP

(+49) 176 6911 8601 · kanishkkashayap13@gmail.com ·
linkedin.com/in/kanishk-kashayap · github.com/Kanyq

PROFESSIONAL SUMMARY

AI Engineer with 4+ years of experience in production GenAI, RAG pipelines, and Databricks solutions for complex business problems.

WORK EXPERIENCE

Carl Zeiss AG: Data Engineer

July 2022 - Current

- **AI-MCP (Model Context Protocol)**
 - Architected production-grade **RAG** with **Azure AI Search** and **OpenAI**, boosting relevance **50%** and reducing hallucinations.
 - Advised **15+** engineering teams on AI best practices, scaling **GenAI** framework adoption to **500+** developers for Zeiss.
 - Cut retrieval latency **30%** via **Azure AI Search** index tuning and optimized high-performance **vector** data flows for production.
 - Secured **APIs** using dual-layer **APIM** and **Entra ID** authentication to enforce strict **least-privilege** access control policies.
 - Maintained **99.9%** uptime via **Azure** alerts, reducing critical service interruptions and system downtime by **35%** year-over-year.
- **Master Data Product**
 - Delivered **€850k** revenue via **Databricks ETL** and **Unity Catalog** governance across **7** strategic business units globally.
 - Deployed pipelines using **dbt** and **MLflow** on **Databricks** to ensure high-quality training data for **Machine Learning** models.
 - Managed **Master Data** across **15** countries, ensuring consistency for over **30** global enterprise customers and internal partners.

Deloitte Risk and Financial Advisory: Data Analyst

Jan 2018 - Sept 2019

- Generated **\$10M** revenue via root cause analysis on claims data, identifying risks and saving **2%** of total costs for the organization.

Regiocom Netzdienste: Data Analyst

Sept 2021 - Feb 2022

- Improved energy demand prediction **22%** by building a robust **Python** data processing and modeling pipeline for operational efficiency.

EDUCATION

Otto-Von-Guericke University: MSc. Data Engineering

Oct 2019 - July 2022

- Achieved **93.26%** accuracy in deepfake video detection using a multimodal **Computer Vision** approach and **Deep Learning** models.
- Generated **200+** synthetic fingerprints with **97.83%** success rate using complex **StyleGAN** architectures and custom training loops.

Chandigarh University: Bachelor of Engineering

Aug 2014 - May 2018

KEY SKILLS & CERTIFICATIONS

- **AI & ML:** GenAI (RAG, StyleGAN), LLMs (OpenAI), Deep Learning (PyTorch, TensorFlow), MLflow
- **Data Platforms:** Databricks (Unity Catalog, Delta Lake), Azure (AI Search, Functions, DevOps, APIM), dbt
- **Data & Languages:** Python, SQL (MySQL, Oracle, DB2), NoSQL (MongoDB), Git, Agile
- **Languages:** English (Bilingual), German (Fluent), Hindi (Native)