

Personal information

| | |
|---------------|---|
| Name | Rizwan Haidar |
| Date of Birth | 12 Mar. 2000 |
| Address | Bonn, Germany |
| Phone | +49 1575 6154688 |
| Email address | rizwanhaidar@outlook.com |
| LinkedIn | linkedin.com/in/rizwanhaidar/ |
| GitHub | github.com/rizwanhaidar |



Summary:

As a professional specializing in Data vertical, I bring ~3 years of experience in developing scalable Data Engineering and Analytics solutions. Experienced in integrating large heterogeneous datasets and translating analyses into operational insights. I thrive at accelerating data processing to empower businesses with informed decision-making.

Professional Experience:

| | |
|---------------------|---|
| Sep 2025 – Present | Digital Infrastructure Intern GIZ - Deutsche Gesellschaft für Internationale Zusammenarbeit Bonn, Germany (On-Site) <ul style="list-style-type: none">Migrating on-prem relational databases into Airtable to establish centralized data foundations with interfaces and RBAC for Global Energy Transformation programs.Designing KPI systems and reporting cadences in Power BI to enable data-driven performance monitoring. |
| Aug 2025 – Present | Data Management Assistant Institut für Biomedizinische Informatik, Uniklinik Köln Bonn, Germany (On-Site) <ul style="list-style-type: none">Processed and curated large-scale clinical datasets within the Research team, ensuring statistical soundness and reporting-ready quality.Designed and deployed ~3 interactive BI dashboards in Python (Flask, Plotly) integrating predictive analytics for clinician decision support.Experimented with 5+ ML/LLM models (classification, regression) to uncover patterns in patient data and benchmarked explainability techniques. |
| Sep 2022 – May 2025 | Data Engineer Teradata – HQ: California, USA (Remote) <ul style="list-style-type: none">Built and optimized end-to-end data lifecycle solutions using On-prem (SSIS/Informatica) and cloud platforms (Azure/AWS) delivering reliable analytics for Retail & Automotive clients across North America & Europe.Collaborated with product owners to convert 10+ business needs into data models and SQL/Python transformations to deliver ML-ready datasets and clear analyses for market monitoring and compliance.Improved platform reliability via orchestration best practices (alerts/retries, SLAs) while partnering cross-regionally to prioritize data needs and enforce data-quality rules and schema standards.Developed 15+ data pipelines (ETL/ELT) to integrate data across landing → staging → core → semantic layers to support self-service dashboards and model reusability.Documented runbooks/SOPs and data access guidelines (governance/RBAC) to enable faster onboarding and safer production changes.Managed version control with Git and IaC (Terraform) with CI/CD pipelines (Jenkins/Azure DevOps) that reduced deployment errors by ~40%. |

Education:

| | |
|------------------------|--|
| Apr 2025 – In Progress | Master of Science – Computer Science University of Bonn, Bonn – Germany. <ul style="list-style-type: none">• Spatiotemporal Data Analysis, Natural Language Processing, IT Security |
| Aug 2018 – Jun 2022 | Bachelor of Science – Computer Science FAST NUCES, Islamabad – Pakistan. <ul style="list-style-type: none">• Dean's List of Honors for Academic Excellence (2018 to 2022) |

Technical skills:

| | |
|-----------------------|---|
| Domains | Big Data, Data Warehousing/Management/Analysis, Statistical Analysis, ML/AI |
| Programming Languages | SQL, Python, Java, PL/SQL, T-SQL, C++, Shell Scripting |
| Frameworks | Pandas, PySpark, NumPy, Scikit-Learn, Regex, TeradataML, Matplotlib, Dash, plotly |
| Cloud | Azure: Databricks, Data Factory, ADLS Gen2, MS Fabric, AWS: S3, Glue, Data Catalog, Kinesis, Lambda |
| Tools/DevOps | Azure DevOps, Terraform, Git, Jenkins, Informatica, Power BI, Airflow |
| Databases | Teradata, Snowflake, MySQL, SQL Server, PostgreSQL |

Consulting Assignments:

Volvo Cars, Sweden (Remote) – **Cloud Data Engineer**

Supported data platforms powering connected-car safety, predictive maintenance, and global supply-chain intelligence.

- Built a multi-cloud analytics layer by unifying vehicle telemetry and service **datasets** to deliver predictive-maintenance alerts and vendor dashboards, that transformed repairs from reactive to proactive service planning.
- Replaced pilot-phase manual telemetry ingestion with **scheduled ADF pipelines**, cutting latency ~40% and enabling consistent analytics access via Lakehouse datasets.
- Improved query speed ~35% by tuning **PySpark** jobs (**caching, partitioning**) in Fabric & Databricks, enabling faster decisions and smoother data delivery.

Federated Co-operatives Limited (FCL), Canada (Remote) – **Informatica Developer**

Sustaining and scaling the Retail EDW through targeted engineering.

- Designed and delivered 30+ ETL workflows (Teradata & Informatica) and optimized **15+ SQL reports**, cutting execution times by ~30% to provide faster, high-availability, reporting-ready datasets for dashboards and analysis.
- Partnered with Finance, Logistics, and Marketing on ad-hoc analytics while maintaining data quality: triaged **P1/P2** pipeline issues to meet **SLAs** and provided **24/7 incident support** during a cyber event to validate sales data and minimize downtime.

Academic Projects:

Hate Speech classification and Explainability, AIM Lab – **Research Assistant**

- Developed hate speech detection tool using machine learning and deep learning models to classify and explain text label in layman's terms.
- Emphasized explainable AI techniques to **interpret** and **explain** classifications, including a **Twitter use case** with interpretable features.

Certifications

- [Teradata Vantage Data Engineering](#)
- [AWS Cloud Practitioner](#)
- [Teradata Vantage Associate](#)
- [Microsoft Azure Cloud & Data Fundamentals AZ-900, DP-900](#)

Awards and Achievements

- Teradata Spot Award (March 2024 & 2025 | September & May 2023)
- Teradata Quarterly Excellence Award (Q1 2024)