

SUMMARY

Detail-oriented Data Analyst with expertise in Python, Power BI, and SQL. Experienced in ETL, data modeling, and automation, with a focus on creating dashboards, scalable pipelines, and actionable insights.

SKILLS

Technical Skills: Python, Pandas, NumPy, SQL, Power BI, Snowflake, AWS S3, Selenium, Kafka, Git, Excel, DAX
Data Engineering Tools: ETL Processes, Data Modeling, Data Visualization, Snow pipe, Data Pipelines
Soft Skills: Communication, Analytical Thinking, Problem Solving, Adaptability, Time Management
Languages: German (B1 CEFR), English (C1 CEFR), Urdu, Punjabi, Hindi

EDUCATION

Master of Global Software Development, Hochschule Fulda Sept 2026 (expected)
Bachelor of Computer Science, COMSATS Lahore 2016 - 2020

PROFESSIONAL EXPERIENCE

Internship Data Analyst Sep 2025 - Present
Bosch GmbH Reutlingen, Germany

- Prepared and integrated data from various internal and external sources, ensuring high-quality and consistent datasets.
- Automated ETL processes and data pipelines using Python (Beautiful Soup, Selenium), improving efficiency and reliability.
- Implemented real-time streaming workflows using Kafka, enabling low-latency data ingestion and transformation.
- Collaborated with cross-functional teams to support data literacy and foster a data-driven culture.

Work Student Data Analyst Oct 2024 - Aug 2025
Siemens Healthineers Forcheim, Germany

- Designed and managed scalable data warehousing solutions for integrating and storing large datasets from internal and external sources.
- Implemented streaming data architectures with Kafka for real-time data processing and transformation.
- Utilized SQL and Snowflake for high-performance data modeling, transformation, and querying in large-scale pipelines.

PROJECTS

Real Estate Data Pipeline Project: Built an end-to-end data pipeline to process real estate data from Redfin, showcasing modern data engineering practices (available on [GitHub](#)). Extracted raw data and stored it in AWS S3 for further processing. The datasets were transformed and cleaned to ensure they were analysis-ready. Used Snowpipe to load the transformed data into Snowflake and connected Snowflake to Power BI to deliver actionable visualizations.

Data Analysis Dashboard: Developed a Power BI dashboard to visualize trends and insights from processed data using Python (Pandas). Reduced data processing time by 20% through preprocessing and error handling pipelines (available on [GitHub](#)).

Real Estate Data Pipeline Project: This project demonstrates an ETL (Extract, Transform, Load) pipeline that fetches weather data from an API, processes the data using Python Pandas, and loads the transformed data into a Snowflake table. The data in Snowflake is further used in Power BI to create actionable visualizations and analyses, showcasing end-to-end data engineering practices (available on [GitHub](#)).

Mobile Sales Data Visualization Dashboard: This project is a data visualization dashboard that provides insights into mobile sales and orders for the years 2021, 2022, 2023, and 2024. The dashboard helps users explore sales trends, order

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patterns, and other key metrics to better understand performance over time, enabling data-driven decision-making and strategic planning (available on [GitHub](#)).

Sentiment Analysis Pipeline: Automated web scraping and sentiment analysis using BeautifulSoup, Selenium, and Scikit-learn. Enhanced efficiency by 25% and reduced manual effort by 40% through automation (available on [GitHub](#)).

PUBLICATIONS

Hotspot-Aware Workload Scheduling and Server Placement for Heterogeneous Cloud Data Centers: Published in MDPI Energies Journal, this research proposes algorithms for optimizing resource utilization and minimizing energy consumption in cloud environments (see publication on [MDPI Energies](#)).

CERTIFICATIONS

- **German Language B2.2:** Certified in German B2.2, demonstrating advanced skills for professional communication in German-speaking settings ([view certificate](#)).
- **Microsoft Power BI:** Certified in Power BI, with expertise in transforming data into impactful visual insights ([view certificate](#)).
- **German Language B1:** Certified in German B1, showcasing intermediate proficiency in understanding and speaking German ([view certificate](#)).
- **Google Data Analytics:** Certified in Google Data Analytics, with skills in analyzing and deriving insights from data ([view certificate](#)).
- **Microsoft Azure:** Certified in Azure Fundamentals, with a solid understanding of cloud computing and Microsoft Azure services ([view certificate](#)).
- **IBM Datastage:** Certified in IBM Datastage, skilled in efficient data integration and management using ETL tools ([view certificate](#)).