Syed Ali Murad Tahir

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EXPERIENCE

- **Tesla** — Berlin, Germany
  Data Engineer — *09/2023 - Present*
  - Implemented ETL pipelines in Airflow using Python and SQL, improving data processing efficiency
  - Developed custom dashboards for key business metrics using BI tools
  - Developed multi-cluster data pipelines in ClickHouse, enhancing distributed data processing and significantly improving query speed and storage capacity.
  - Created Docker files and built Docker images in GitHub, streamlining deployment and container management.
  - Developed, maintained, and presented engineering dashboards to stakeholders in the USA and Germany, serving as the main responsible individual for a dashboard used by over 100 users across different regions.

- **Getsteps** — Berlin, Germany
  Business Intelligence - Working Student — *12/2022 - 04/2023*
  - Performed ETL processing to extract data from various sources using SQL and dbt, improving data accuracy and availability.
  - Designed multiple dashboards using Metabase, aiding the marketing team in making informed business decisions.
  - Enhanced current data marts and reports by adding new columns and KPIs, leading to better business insights.
  - Developed a new organizational structure to increase transparency in data marts, improving data governance.

- **Europcar Mobility Group** — Hamburg, Germany
  Business Intelligence - Working Student — *09/2021 - 11/2022*
  - Created dashboards in Looker, providing actionable insights to business units.
  - Adjusted and created new data marts using SQL in BigQuery.
  - Developed data pipelines using SQL, ensuring reliable and timely data flow.
  - Created and optimized VBA macros in Excel and Access, automating repetitive tasks and improving efficiency.

- **Rohde & Schwarz** — Islamabad, Pakistan
  BI Software Developer — *04/2021 - 07/2021*
  - Designed and maintained ETL workflows using SQL to support the creation of a centralized data warehouse
  - Designed interactive dashboards in Tableau to analyze sales performance and forecast trends, providing actionable insights to stakeholders.
  - Implemented time series forecasting models to optimize sales predictions and inventory management using Tableau and Python

PROJECTS

- **Aircraft Conceptual Design through Machine Learning and Deep Learning Techniques**: Trained various machine learning models such as KNN, Random Forest, Logistic Regression, Ensemble Learning, and CNN models on aircraft datasets to predict flight mechanics parameters using technologies such as NumPy, Pandas, Matplotlib, Scikit-learn, TensorFlow, and Keras.
- **Financial News Sentiment Analysis**: Conducted sentiment analysis on financial news to predict market trends and inform investment decisions, using Numpy, Pandas, Circlify, Sklearn, TensorFlow, Keras, NLTK, Matplotlib.
- **Customer Segmentation using Deep Learning**: Utilized deep learning techniques for customer segmentation to enhance targeted marketing strategies, using Numpy, Sklearn, TensorFlow, Keras

EDUCATION

- **Technische Universität Berlin** — Berlin, Germany
  M.Sc. Information Systems Management — *10/2021 - 11/2024*

- **Jacobs University Bremen** — Bremen, Germany
  B.Sc. Electrical and Computer Engineering — *09/2017 - 09/2020*

SKILLS

- **Languages**: C++, C, Python, SQL, Go
- **Tools**: VS Code, Linux, Git, LaTeX, Tableau, Metabase, Looker Studio, Jupyter Notebook, BigQuery, SAP, dbt, Airbyte, Airflow, Grafana, InfluxDB, Docker, PostgreSQL, MySQL, ClickHouse

LANGUAGES

- English - Native
- Hindi/Urdu - Native
- Deutsch - A2