

# SYED ALI MURAD TAHIR

Wirtschaftsinformatik student specializing in Data Science at TU Berlin

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## EXPERIENCE

### Data Engineer Intern

#### Tesla

09/2023 - Present

Berlin, Germany

- Implement ETL pipelines in Airflow using Python and SQL
- Create interactive time series dashboards in Grafana with InfluxDB
- Optimize personalized Grafana Plugins using Docker, Go, and TypeScript
- Create multi-cluster databases in ClickHouse
- Develop, maintain, and present engineering dashboards to stakeholders in the USA and Germany, aligning with cross-regional team requirements.

### Business Intelligence - Working Student

#### Getsteps

12/2022 - 04/2023

Berlin, Germany

- Design and implement data pipelines in PostgreSQL
- Perform Extract, Transform, Load (ETL) processing to extract data from various sources using SQL and dbt
- Adjust current data marts and reports by adding new columns and KPIs
- Design multiple dashboards using Metabase that were used by the marketing team in making informed business decisions
- Design a whole new organizational structure to increase transparency in datamarts

### Business Intelligence - Working Student

#### Europcar Mobility Group

09/2021 - 11/2022

Hamburg, Germany

- Design reports in SAP BO and Data Studio
- Adjust and create new data marts using SQL
- Create data pipelines using SQL
- Adjust existing and develop new VBA macros in Excel and Access.

### Software Developer - Business Intelligence

#### Rohde & Schwarz

04/2021 - 07/2021

Islamabad, Pakistan

- Generate one-off reports for product management (eg. debug and understand a hardware issue or backup product concepts with actual data)
- Perform Time series forecasting for analyzing sales using Tableau
- Data warehouse ETL processes using SQL

## PROJECTS

#### Enhancing Movie Recommendations with Behavior Sequence Transformer

Technologies: NumPy, Pandas, TensorFlow, Keras

#### Large Language Models for Reliable Berlin Public Administration Answers

Technologies: LangChain, TensorFlow, Hugging Face

#### Financial News Sentiment Analysis

Technologies: Numpy, Pandas, Circlify, Sklearn, TensorFlow, Keras, NLTK, Matplotlib

#### Designing Seq2Seq Translation Model (English to Bulgarian) with Attention Mechanism

Technologies: Numpy, Pandas, Circlify, Sklearn, TensorFlow, Keras, NLTK, Matplotlib

## EDUCATION

### M.Sc. Wirtschaftsinformatik

#### Technische Universität Berlin

10/2021

Berlin, Germany

### B.Sc. Electrical and Computer Engineering

#### Jacobs University Bremen

09/2017 - 09/2020

Bremen, Germany

## LANGUAGES

C C++ Python SQL HTML

## TOOLS

VS Code Linux Git LaTeX  
Tableau Metabase Looker Studio  
Google Colab Jupyter Notebook  
BigQuery SAP dbt Airbyte  
Airflow Grafana InfluxDB Docker  
PostgreSQL MySQL ClickHouse

## LANGUAGES

English - Native

Hindi/Urdu - Native

Deutsch - A2



## PROJECTS

#### Semantic Segmentation for Biomedical Image Segmentation

Technologies: Numpy, Sklearn, Pytorch, Matplotlib

#### Customer Segmentation using Deep Learning

Technologies: Numpy, Sklearn, TensorFlow, Keras

#### Stock Price Prediction using LSTM & Fbprophet

Technologies: Python, Numpy, Pandas, Matplotlib, Seaborn, Tensorflow, Keras, Sklearn, Statsmodels, FBProphet

#### Customer Churn Prediction using Esemble Learning

Technologies: Numpy, Pandas, Matplotlib, Sklearn

#### CNN on Multilabel remote sensing images

Technologies: Numpy, Pandas, Matplotlib, Sklearn, Pytorch

#### Image processing of satellite data

Technologies: Python, Numpy, Scipy, Matplotlib

#### Time Series Forecasting using ARIMA & Linear Regression

Technologies: Numpy, Pandas, Matplotlib, Searborn, Sklearn, Statsmodels