

SYED ALI MURAD TAHIR

Master's Student at TU Berlin & Data Engineer at Tesla

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EXPERIENCE

Data Engineer - Working Student

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

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. Information Systems Management

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
Jupyter Notebook BigQuery SAP
dbt Airbyte Airflow Grafana
InfluxDB Docker PostgreSQL
MySQL ClickHouse Docker

LANGUAGES

English - Native

Hindi/Urdu - Native

Deutsch - A2



PUBLICATIONS

Combining Information Retrieval and Large Language Models for a Chatbot that Generates Reliable, Natural-style Answers

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