



Faizan E Mustafa

Date of birth: 06/09/1996 **Phone number:** (+49) 1630148269

Email address: faizanmustafa750@gmail.com

LinkedIn: <https://www.linkedin.com/in/faizan-e-mustafa-320b79156/>

Website: <https://faizan-e-mustafa.github.io/>

Home: Rotebühlstraße 86, 70178 Stuttgart (Germany)

ABOUT ME

I apply cutting-edge NLP research to extract useful information from unstructured data. I am a published author in the *Artificial Intelligence in Medicine* journal, as well as in workshops at the *EACL* and *NAACL* conferences.

WORK EXPERIENCE

Werkstudent Natural Language Processing

QUIBIQ GmbH [12/2019 – 10/2022]

City: Stuttgart | Country: Germany

- Developed a system to automate the generation of RFQ files and deployed using Azure functions.
- Implementation of Graph Neural Network for the prediction of diseases using medical procedures.
- Link Prediction using Graph Neural Network to annotate PubMed Abstracts with MeSH Headings

NLP Engineer

QUIBIQ GmbH [10/2022 – Current]

City: Stuttgart | Country: Germany

- Developed a dashboard to assist hospital staff in ICD coding to improve the billing process.
- Used Generative AI to create a dataset for Biomedical Named Entity Recognition in a low-resource setting.
- Implemented a method to create a Biomedical Knowledge Graph using Wikidata for Entity Linking in German.

EDUCATION AND TRAINING

MSc Computational Linguistics

Universität Stuttgart [10/2019 – 10/2022]

Country: Germany

PUBLICATIONS

[2024]

Leveraging Wikidata for Biomedical Entity Linking in a Low-Resource Setting: A Case Study for German
(Accepted for Clinical NLP workshop at NAACL)

[2022]

Graph neural network modelling as a potentially effective method for predicting and analyzing procedures based on patients' diagnoses

[2023]

The Aluminum Standard: Using Generative Artificial Intelligence Tools to Synthesize and Annotate Non-Structured Patient Data

[2023]

Annotating PubMed Abstracts with MeSH Headings using Graph Neural Network

[2023]

DEExtract: A Customizable Context-Based German Vocabulary Learning Tool

DIGITAL SKILLS

Python / ML Libraries (Numpy, Pandas etc.) / PyTorch / PyTorch Geometric / Transformers / LangChain / Docker / PostgreSQL / GitHub / Azure Function / Dash / MLflow / Azure

HONOURS AND AWARDS

Microsoft

Azure AI Engineer Associate

LANGUAGE SKILLS

Mother tongue(s): Urdu

Other language(s): English (Fluent) | German (B1)

HOBBIES AND INTERESTS

Book Reading, Badminton, Cricket