Final Reference

Mr Mohammad Tanzil Alam born on ▮▮▮▮▮▮▮ in Kolkata, India, got trained at our company with the Constructor University Bremen (CUB) in the course of the cooperative studies program in the master program Data Engineering from June 1, 2022 to July 31, 2023.

Roche, with its headquarters in Basel, Switzerland, is a leading research-based healthcare company, specializing in the business of both pharmaceuticals and diagnostics. As the world's largest biotech company, a pioneer in diabetes management and one of the most important providers of in-vitro diagnostics, Roche develops innovative health solutions, intensely working to improve the quality of life for people all around the world.

Within the Roche Group, Roche Diagnostics GmbH in Penzberg, Germany, is one of the largest biotechnology centers in Europe. With Pharma and Diagnostics, both of the Roche divisions are represented with research, development and production. This creates unique synergies especially for personalized medicine, which is at the center of the Roche strategy.

He acquired the knowledge and skills at the CUB as well as in the following specialist departments of our company

- Knowledge Engineering & Data Modeling (DIDTS)   01-Jun 2022 – 31-Aug-2022
- Infrastructure & Technologies (DIDTT)   01-Feb-2023 – 31-July-2023

including his Master Thesis: "Detecting data drifts in a clinical NLP pipeline"

The knowledge and main tasks included:

- Developing a cloud-based data pipeline that enables querying structured data from clinical practice guidelines
- Data Engineering and Data Science in the healthcare sector
- Programming in Python, Python Spark and SQL
- Setting up AWS cloud-based data pipelines (ETL)
- Handling JSON files and nested data structures
- Data Curation

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- Organizing daily work using Trello
- Performing research about existing technological solutions and comparing different approaches

Mr Alam delivered above average quality of work at all times. He had a firm grasp of what is important and essential and was focused, methodical and reliable in his work. In this regard, his work style was always characterized by a high degree of responsibility, efficiency and a systematic approach. Due to his precise analytical skills and his quick grasp, Mr Alam found good solutions for problems, which he consistently and successfully implemented in practice.

He at all times expressed himself clearly and always acted confidently and persuasively. Mr Alam integrated into our team structures in an exemplary manner. His behavior towards his superiors and colleagues was always exemplary. He was entirely trustworthy and acted with integrity.

Mr Alam always worked reliably and conscientiously. He was always a very actively involved employee who identified entirely with his tasks and showed above average commitment. Due to his very good grasp, Mr Alam was able to solve problems quickly and reliably. He was always open to new approaches, had new, creative ideas and was characterized by innovative concepts.

The internship was conducted completely remotely, and this has worked extremely well, as Mr Alam showed presence, commitment and reliability at all times.
The performance of Mr Alam always met our expectations to the greatest possible extent.

The contractual relationship ends with submission of the Master thesis.

We thank him for the exemplary cooperation during his training. We wish Mr Alam every success in his future career and personally all the best.

Penzberg, 07/31/2023

Roche Diagnostics GmbH
i. V.   i.V.

Eva Lobentanz   Irma Diebold
Head of Cooperative Study Training   Head of Chemical Laboratory Training