

Yakub Adar

Data Scientist



yakubadar99@gmail.com



+49 1732521024



Neuss, Deutschland

SKILLS

MS Office

R

Python

SQL

React & Next.js

HTML

Javascript

typescript

C++

GIT

Docker

LANGUAGES

German

Native or Bilingual Proficiency

English

Native or Bilingual Proficiency

Turkish

Native or Bilingual Proficiency

French

Limited Working Proficiency

INTERESTS

Refereeing

Running

Cooking

Traveling

WORK EXPERIENCE

Data Scientist Deutsche Glasfaser

01/2023 - Present

Düsseldorf, Deutschland

Achievements/Tasks

- Performed geospatial analysis using geographic data with Geopandas and Spatial SQL.
- Applied Natural Language Processing (NLP) techniques for text and sentiment analysis.
- Utilized XGBoost and Decision Trees for classification, regression, and predictive modeling tasks, enhancing decision-making processes and model performance.
- Developed and implemented an AI chatbot for automated customer support.
- Applied time series analysis methods, including Linear and Regressional Analytics, for forecasting and identifying seasonal patterns.
- Developed applications using tkinter for selecting road surface segments to predict their condition with models, as well as for interactive filtering and visualization of Excel data.
- Created a comprehensive interface for fraud detection to compare construction company images in state-aid projects using Vision Transformer (ViT).

Internship and project-management HHU Institute of Computational Cell Biology

08/2021 - 03/2023

Düsseldorf, Germany

Achievements/Tasks

- Data analysis and visualization using Python to extract insights and present findings effectively.
- Managed independent projects utilizing SIFT4G, applying Python and C++ for robust and efficient implementations.
- Conducted heads or tails (HOT) analysis using Python and C++, focusing on genetic and molecular data interpretation.

Internship in research HHU Institute of Quantitative Genetics and Genomics of Plants

05/2020 - 10/2020

Düsseldorf, Germany

Achievements/Tasks

- Conducted QTL analysis in Quantitative Genetics to link genetic markers with traits.
- Performed statistical data analysis using R for interpreting and visualizing data.
- Conducted field research, including data collection and experimental design.
- Employed Decision Trees for decision-making processes and predictive modeling.

EDUCATION

Master of Science - Biology with a focus on Artificial Intelligence & Data Science

Heinrich-Heine-Universität

10/2020 - 03/2023

Düsseldorf, 2.1

Courses

- Thesis on: Evaluating the impact of sequence alignment variation on the prediction of the effects of genetic mutations on phenotypes

Bachelor of Science - Biology Heinrich-Heine-Universität

10/2017 - 10/2020

Düsseldorf, 2.7

Courses

- Bachelor-thesis on *Quantitative Genetics Analysis on Barley (with R)*