

# Faizan Zafar

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## EDUCATION

### RWTH Aachen University

Master of Science in Data Science (with coursework)

Aachen, DE

Apr. 2019 – Sep. 2021

### National University of Sciences and Technology (NUST)

Bachelor of Engineering in Software Engineering

Islamabad, PK

Sep. 2014 – Jun 2018

## WORK EXPERIENCE

### Product Manager Intern

Mar. 2021 – Present

Celonis

Munich, DE

- Drive customers' migration to the citizen development platform: *Celonis Studio* resulting in +26% in daily active users
- Define and maintain product roadmap based on deep analysis of customer needs, market trends, and technical feasibility
- Plan and execute product release cycles as well as internal sprint processes

### Graduate Research Assistant

Oct. 2019 – Mar. 2021

Cybernetics Lab @ RWTH

Aachen, DE

- Developed and statistically analysed technology acceptance frameworks in the contexts of e-commerce and care work
- Designed fine-grained classification and clustering models on e-commerce and healthcare data

### Associate Software Engineer

Sep. 2018 – Mar. 2019

CureMD Healthcare

Lahore, PK

- Front-end development of the scheduling & appointment management module of the *CureMD* web application
- Extracted and prepared customer data for visualization, reporting and analysis purposes

### Research Intern

Sep. 2017 – May 2018

Speech and Language Technology Research Group @ NUST

Islamabad, PK

- Implemented predictive modelling techniques on clinical data of patients exhibiting diabetes symptoms
- Performed statistical analyses and data visualizations on the *PIMA* dataset

### Software Developer Intern

Jul. 2017 – Sep. 2017

Centre for Economic Research in Pakistan

Lahore, PK

- Developed a prototype of a Management Information System (MIS) targeted for low-cost private schools
- Documented functional requirements and specifications of the MIS

### Intern

Jun. 2016 – Aug. 2016

InveGix Technologies

Islamabad, PK

- Built and deployed the company's news blog
- Drafted test cases and user guides for the *StarCode* POS & Inventory application

## PROJECTS

### Factors influencing the intention of caregivers to use digital technologies in outpatient care

Mar. 2021 – Oct. 2021

- Developed a model that outlines the factors influencing the intention of caregivers to use digital technologies in outpatient care

### Seminar: Selected Topics in Process Mining | *PM4PY*, *ProM*

Oct. 2020 – Feb. 2021

- Prepared a Term Paper and presented a Tool Demonstration on *Removing Implicit Places Using Regions for Process Discovery*

### A Python Extension to Simulate Petri nets in Process Mining | *PM4PY*, *SimPy*

Apr. 2020 – Aug. 2020

- Programmed a tool which uses an event log to directly generate a simulated event log and modify event duration & arrival rate

### Predictive Analytics in Healthcare for Diabetes Prediction | *Scikit-learn*, *TensorFlow*

Sep. 2017 – May. 2018

- Developed an application which computes the probability of occurrence of diabetes based on specified clinical indicators
- Produced visualizations for analytics derived from patients' electronic health records

## TECHNICAL SKILLS

**BI/Analytics Tools:** PowerBI, Qlik Sense, Tableau, Salesforce, SPSS, SmartPLS, RapidMiner, Jupyter

**Programming:** Python, R, SQL, PQL, NumPy, Pandas, Seaborn, SciPy

**Developer Tools:** Git, Jira, VSCode, PyCharm, RStudio

**Productivity Tools:**  $\text{\LaTeX}$ , Office 365, Google Workspace, Monday.com, Visio, Photoshop, WordPress

## EXTRACURRICULAR ACTIVITIES

**Analyst @ TechLabs 2021:** Worked on time series analysis of distribution strategies of Covid-19 vaccines in Germany

**Participant @ Innovation Days 2020:** Project ideation to improve daily activities of people with special needs through innovative systems

## LANGUAGE SKILLS

**English:** C2 – Advanced Proficiency

**German:** B1 – Intermediate Proficiency

**Urdu:** Native