MEHRINISO MANGLIYEVA

+49 17663666218 — m.mangliyeva@tum.de — linkedin.com/in/mehriniso-mangliyeva — github.com/mmangliyeva

EDUCATION

Master of Science | ***Informatics*** Apr. 2020 –
Technical University of Munich Munich, Germany

Relevant courses: Foundations of Data Engineering, Parallel Programming, Algorithms for Uncertainty Quantification, Cloud-based Data Processing

Projects: URL Shortener using Raft consensus algorithm in C++, Persistent B-Tree for variable sized data

Extracurricular Activity: Digital Product School by UnternehmerTUM, Netlight Mentoring Program

Bachelor of Science | ***Computer Engineering*** Sep. 2014 – June 2019
Yildiz Technical University Istanbul, Turkey

Projects: Implementation of Hyperparameter Optimization Algorithms on Big Data Platform, E-learning data processing and reporting, Implementation of Naive Bayes Classifier and K-means clustering

Extracurricular Activity: Innovera Cyber Camp, Mustafa Akgul Free Software Camp(CCNA 2)

WORK EXPERIENCE

Working Student August 2021 – March 2022
Siemens Advanta Consulting Munich, Germany

- Created an ETL pipeline for time series data using data manipulation and analysis techniques in Python
- Worked through a clients entire cloud infrastructure to understand high risk points of the system, and helped to resolve these issues
- Developed SQL queries for clients specific KPI requirements

Data Science Intern July 2019 – October 2019
Verisoft Payment Systems Istanbul, Turkey

- Implemented ETL pipeline writing Oracle SQL queries to generate insightful features, continuously optimizing the existing rule-based queries as part of the fraud detection tool for a major Turkish bank
- Built and integrated automated machine learning pipeline processing which resulted from feature engineering using Python Featuretools library

Thesis Intern Sep. 2018 – Dec. 2018
Cybersoft Information Technologies Istanbul, Turkey

- Conducted research on hyperparameter optimization algorithms focusing specifically on developing two hyperparameter optimization algorithms: Bayesian Optimization and Tree-based Parzen Estimator in distributed environment using Spark
- Analysed performance of the algorithms by comparing their results with Random Search and Grid Search algorithms in terms of accuracy and number of iterations using banking data
- Presented successful results at International Conference on Computer Science and Engineering

Software Engineering Intern Jul. 2017 – Aug. 2017
Nokia Istanbul, Turkey

- Engineered Internet of Things application by building RESTful web services and developing Flask backend on Raspberry Pi conforming inter-device communications protocols
- Analyzed large amounts of text data to identify and mask IP addresses of devices using regex

SKILLS

Programming: Python (NumPy, Pandas, PySpark,), C/C++, R, Java, PowerPoint, Excel
Database: SQL, NoSQL
Languages: English(C1), German(A2), Russian (B2), Turkish (B2),