BEKSULTAN TULEEV

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EDUCATION

University of Trento, [link] Italy
Master of Science in Data Science *Sep 2019 – Mar 2022*

- Thesis: Non-line-of-sight Detection And Mitigation Using Machine Learning For Indoor Positioning Ultra-wideband System

OSCE Academy, [link] Kyrgyz Republic
Master of Arts in Economic Governance and Development *Sep 2017 – Dec 2018*

- Thesis: The Impact of Trade Openness on Technical Efficiency in the Agricultural Sector in Post-Soviet Countries 1990-2014

American University of Central Asia, [link] Kyrgyz Republic
Bachelor of Arts in Economics *Sep 2013 – Jun 2017*

- Thesis: Quantitative Economics Research, The Application Of Dantzig's Simplex Algorithm On The Micro-construction Company

EXPERIENCE

NUR Telecom LLC, Mobile Network Carrier, [link] Kyrgyz Republic
Data Scientist / Data Automation Engineer – Statistics Team *Apr 2022 – Mar 2023*

- Improved ML model prediction of Active Customers for next fiscal month with 99% recall and precision
- Designed and implemented a versatile library (nurtelecom-gras-library) to facilitate connection and manipulation of Oracle databases, leveraging efficient algorithms for seamless handling of regular and spatial data
- Developed a Chatbot for remote monitoring and management of Windows scheduled tasks and job management in Oracle. Bot vastly reduced the effort and time for control and maintenance from 30 to 3 minutes on average
- Implemented an automatic failure recovery mechanism for Windows machines, which allows failed scheduled tasks to be automatically restarted in the event of external failures. The mechanism improved the reliability and significantly reduced downtime from 50 to 5 minutes on average

The Openwork Partnership, Financial Advice and Investment Network, [link] United Kingdom
Data Scientist Intern – Marketing Team *Jun 2021 – Oct 2021*

- Developed Multi-Output ML models for predicting customers with a high likelihood of purchasing protection products in different income segments with AUC of more than 85%
- Reduced the number of features required for accurate predictions (from approx. 150 to 10) through the use of RFE, resulting in a more efficient and cost-effective model
- Achieved 88% in precision and recall scores after feature selection and model calibration, indicating a better balance between true positives and false positives/negatives in the model's predictions

PROJECTS

[link to all projects]

NLOS Detection and Mitigation using ML for Ultra-Wideband (UWB) System *Jun 2021 - Mar 2022*

- Developed fully-fledged Internet of Things (IoT) infrastructure for the Indoor Positioning System. Developed a unique automatic approach for the data-gathering process from sensors

Real-time Location Tracking and Trilateral Wi-Fi Positioning *Jan 2021 - Jun 2021*

- Developed complete infrastructure that uses at least three Wi-Fi access Points to calculate a position. Developed a real-time visualisation approach that uses the matplotlib library from Python and MQTT

Application of Ultra-Wideband System in Unmanned Areal Vehicle (UAV) *Dec 2020 - Mar 2021*

- Developed the entire pipeline for real-time data processing with a sensor fusion approach

SKILLS

Python, R, Java, C, Jupyter, TensorFlow, SQL, Tableau, MS Power Bi, Linux, WSL, Bash, Docker, Git, Jira