Beksultan Tuleev

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Profile

I am an experienced Data Scientist, who is passionate about automation and efficiency. Open-minded towards cutting-edge technologies and certified Linux user. Proactive team player with a focus on collaboration.

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] **Bishkek, Kyrgyz Republic**
Data Scientist / Data Automation Engineer *Apr 2022–Mar 2023*

- Improved ML model prediction of Active Customers for next fiscal month with 99% recall and precision
- Developed Neural Network-based time-series forecasting of Active Customers' number in Python (TensorFlow) with visualization in Tableau that accurately predicted the future patterns of the customers' behaviour, providing valuable insights for business decision-making and strategy formulation
- Designed and implemented a versatile python library (nurtelecom-gras-library) to facilitate connection and manipulation of Oracle databases, leveraging efficient algorithms for seamless handling of regular and spatial data

The Openwork Partnership, Financial Advice and Investment Network, [link] **Swindon, United Kingdom**
Data Scientist Intern *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

Visualization of Reference Signal Received Power in Tableau: I designed and implemented a Tableau project to visualize signal strength data from NetMAX, and built the necessary infrastructure. The project identified areas with poor signal coverage, enabling network operators to improve network coverage for a better user experience

NLOS Detection and Mitigation using ML for Ultra-Wideband (UWB) System: This project employed UWB technology and machine learning to detect NLOS signals caused by obstacles. By combining a neural network model with filters, taken approach improved positioning accuracy, with potential applications in healthcare, retail, and logistics

All projects at the: link

Skills

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

München, April 27, 2023 Beksultan Tuleev