MAGADANOV BEKDAULET

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EDUCATION

Bachelor of Big Data Analysis Aug. 2020 – June 2023
Astana IT University Astana, Kazakhstan

WORK EXPERIENCE

Data Scientist September 2022 – present
Digital Government Support Center Astana, Kazakhstan

- Development machine learning models to classify and analyze diverse government datasets, for better decision-making.
- Utilized Qlik Sense to create interactive and informative data visualizations, making complex government data more accessible and understandable to stakeholders.
- Designed and implemented advanced algorithms to assess and quantify risk factors across various government fields.
- Streamlined and optimized the Extract, Transform, Load (ETL) process for the government's data warehouse, enhancing data quality and accessibility.

ML Engineer Intern September 2023
Nimbl Academy Astana, Kazakhstan

- Designed and implemented a chatbot leveraging OpenAI's GPT-4 model to provide instant responses and assistance based on a knowledge base.
- Developed a multilingual speech-to-speech translation system, enabling seamless communication across different languages.
- Built ML model and created a simple website with a Fastapi

Data Analyst Intern May 2022 – June 2022
Astana Innovations Astana, Kazakhstan

- Gained hands-on experience in collecting, processing, and managing large volumes of data relevant to smart city initiatives.
- Leveraged data analysis to build predictive models for various smart city components, such as traffic management, energy consumption, and waste management.

PROJECTS AND RESEARCH

Classification of inflammatory bowel diseases | ***Python, XGBoost, LightGBM***
In this project, it was necessary to classify patients by Crohn's disease and ulcerative colitis.

Customer churn | ***Python, Logistic Regression***
The project typically involves collecting data on customers and using machine learning algorithms to build a model that can accurately predict churn.

Sign language recognition system | ***Python, LSTM, RNN, GRU***
Bulding neural network models (LSTM, RNN, GRU) for recognition sign languages.

Detection of cheating devices | ***Google Colab, Yolov4***
The project aims to implement YOLOv4, a state-of-the-art object detection model, in Google Colab to detect cheating devices or unauthorized materials in educational or testing environments.

SKILLS

Programming
Python: Pandas, Dash, Streamlit, Sklearn, Tensorflow, SciPy, Fastapi, Django
ML, Azure Machine Learning, DL, NLP. Computer vision
PL/SQL, Clickhouse, DBeaver
Qlik Sense(Power BI), Apache Superset, Excel

Languages
Kazakh (Native), Russian (B2), English (B2)

Document Creation
Microsoft Office Suite, LaTex, Markdown

HONORS AND AWARDS

GDSC NU: ML Fest | **Jusan Bank** 2022
Classification of customers into groups for sending ads (Recommendation system)

GDSC NU: ML Hackathon | **QUANTORI** 2023
Classification of inflammatory bowel diseases

AITU PROJECT CHALLENGE | **Astana IT University** 2022
Detecting cheating devices