**Work Experience and Skills (Shortly about myself)**

My name is Batyrkhan. I am from Kazakhstan. Now, I am studying in the Astana IT University, Bachelor’s Degree in the faculty of Big Data Analysis and Data Science.

**First steps in my career:**

I started practicing research analytics at the university with a professor in the field of Science and Innovation, I joined this position in August 2021. At first, there was a selection among students, they performed several tasks with data analysis, after that they passed for this position. We immediately started working on one project in the field of energy industry. In addition to this, I have participated in various competitions, cases and hackathons.

1. We took 1st place with a team at a hackathon on writing an algorithm for the agricultural industry that calculates the area of arable fields from coordinates (October 2021).

2. Participated in a competition on the analysis of time series data in the field of stocks and investments from Kaspi bank. There we had to load data from excel files into database, transform, create data visualizations with dashboards and finding some anomalies with conclusion. Dataset consisted of stock prices from different global stock exchanges such as Nasdaq (November 2021).

3. We (with my teammate) have created a telegram bot, with a postgresql database for registering users, sending out news and articles for community, and for creating various entertainment events .

4. I have made a full-fledged model for optimizing the operation of a regional thermal power plant by nonlinear optimization with a minimum error rate using last year's data as well as the climatic conditions of the region.

5. 1st place in Project Challenge from LLP Sunrise Development

Task was: Маркировка датасетов для распознавания гаджетов и других устройств и обучение модели нейронной сети для выявления нарушении во время сдачи экзаменов.

6. **1st place in the republican “Student DigitalFest”** competition on the topic **"Optimization of the well production collection system using machine learning methods"** from the company "Karachaganak Petroleum Operating" where prize was 5000$ (September 2022).

7. I have worked on data on air pollution in Kazakhstan (making Data Cleaning and Clustering). This is one of the important projects in the field of sustainable development from the UN, which explores global warming and the problem of drought and air pollution. I do various statistical analyses, one of the last was finding incorrectly working sensors in different parts of Kazakhstan.

Here the link for the website of organization.

<https://airdata.kz/?lang=ru>

In August 2021, I have started learning Power BI tool from Microsoft for Business Analytics and Data Visualization. My teacher was Catherine Rekhert, she was working on position Data Analyst in Microsoft Corporation, at the moment she has platform where shares her skills and knowledge. So, I am certified Power BI Developer.

<https://databoom.kz/> -- Platform

Изображение выглядит как текст

Автоматически созданное описание

By the course, for final project I made Financial Comparative Analysis between companies.

In addition, I am teacher of Physics with 4 years working experience on freelance. I’m learning physics from 2017 and at school time, I prepared a lot of students for regional and republic competitions where they have won 1 and 2 places. Currently, I teach small number of students, because I am spending most of the time into my projects and sport activities, moreover, I’m focused on mentorship program for new students in Data Science, Data Analysis sphere.