

# Rauan Amirzhanov

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## SKILLS

**Programming Languages:** Python · SQL · No-SQL · R · MATLAB  
**Technologies & Tools:** BPMN · Tableau · Git · Optimacros · Confluence · Jira · Docker · Power BI · Excel · Linux · Postman · Navicat · ETL  
**Databases & DB tools** OracleSQL · PL/SQL Developer  
**Libraries:** scikit-learn · PyTorch · TensorFlow, · pandas · numpy · matplotlib · Keras  
**Soft Skills:** Fast learner · Team Player · Deliver results

## WORK EXPERIENCE

**Data Modeler** | RYTE Corporation Feb 2024 - Jul 2024

- Created and optimized the company's Global Data Model using Navicat for ERD development.
- Established logical connections between diverse datasets, improving data integrity and accessibility.
- Developed a Python script to automate updating the Global Data Model descriptions, enabling automatic extraction of tables (entities), attributes, and their relationships from the ERD into Excel for streamlined analysis.
- Utilized SQL knowledge and business approach to ensure data analysis results contributed to business growth.

**Data Curation Associate** | RYTE Corporation Jan 2024 - Feb 2024

- Dataset preparation and verification for machine learning, encompassing accuracy, consistency, and logical relevance.

**Research Assistant** | Nazarbayev University May 2023 - Jan 2024

- Developed a mathematical model based on topology, training it in the SoftGym environment using reinforcement learning to enhance robotic interactions with deformable objects in computational settings.
- Regularly presented progress and participated in weekly discussion sessions to share insights and exchange ideas with other researchers.
- Conducted literature reviews to identify existing methods and technologies in deformable object research.

**Data Analyst** | Yessen Company Jun 2023 - Aug 2023

- Analyzed data for Hyatt Hotels Corporation, contributing to informed business decision-making, which resulted in a 10% reduction in operational costs.
- Developed and maintained complex dashboards to identify, analyze, and interpret trends or patterns in complex data sets.
- Initiated A/B testing for optimizing expenses and increasing revenues.

## EDUCATION AND TRAINING

**Bachelor of Science in Mathematics** Aug 2020 - June 2024  
Nazarbayev University

**Data Science course** Nov 2022 - Jun 2023  
Outpeer.kz

Relevant Coursework: Big Data, Supervised/Unsupervised Learning, Statistics, Exploratory Data Analysis, Machine Learning, Business Understanding

## PROJECTS

**Automation Tool for Updating the Global Data Model** [Link to Code](#)

- **Description:** During my time at RYTE Corporation as a Data Modeler, I developed a Python script to automate updating the Global Data Model descriptions.
- **Impact:** Facilitated the process and eliminated manual work, resulting in significant time savings.