Marsel Akhmetov

Linkedin: https://www.linkedin.com/in/marsel-akhmetov/
Github: https://github.com/mokaruuns

Email : marsel.ahmetov974@gmail.com
Mobile : +7-900-628-33-27

EDUCATION

- **ITMO University** — St. Petersburg, Russia
  Master's degree in Computer Science — *Sep 2020 - current*
  Courses: Operating Systems, Programming Languages(Java, C/C++), Data Structures and Algorithms, Web Development, Data Analysis, Probability Theory and Mathematical Statistics

SKILLS SUMMARY

- **Languages**: Python, Java, PHP, C/C++, SQL, Bash
- **Tools**: Git, Docker, Linux, LaTex
- **Knowledge**: Data Structures and Algorithms, Data Analysis, Probability Theory and Mathematical Statistics, OOP

PROJECTS

- **VK Bot on PHP** — PHP, Python, VK API, PostgreSQL, Docker, Linux, Nginx
  https://github.com/mokaruuns/bot-recipes — *Dec 2022*
  - **Collecting data**: Parse site and get all recipes from it using Python and BeautifulSoup.
  - **Creating database architecture**: Create database architecture using PostgreSQL for storing recipes and users data. Create tables and relations between them for fast and easy access to data.
  - **Development**: Develop bot using PHP and VK API. Bot can send recipes to users by different parameters.
  - **Deployment**: Deploy bot on server using Docker and Nginx.

- **Research gradient descent algorithms** — Python, Jupyter Notebook, Numpy, Pandas, Matplotlib
  https://github.com/mokaruuns/optimization — *Sep 2022*
  - **Implementation**: Implement Gradient Descent, Stochastic Gradient Descent and Mini-Batch Gradient Descent algorithms using Python and Numpy.
  - **Testing and comparing**: Test and compare algorithms using different datasets.
  - **Visualization**: Visualize results using Matplotlib.

- **Regex parser** — Java, Graphviz
  https://github.com/mokaruuns/parsing/tree/main/recursive-parsing — *Sep 2022*
  - **Creating grammar**: Create LL(1) grammar for regular expressions.
  - **Implementation**: Implement a parser for a regular expression by grammar using Java.
  - **Unit testing**: Test a parser using JUnit.
  - **Visualization**: Automatically generate graphviz diagram for expressions.

SUMMARY

I'm a student of the third year of the master's program in Computer Science at ITMO University. I'm looking for an internship in the field of data science or backend development.