

# Pakhurov Fedor

Moscow

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## Personal Profile Statement

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**Computer science** sophomore, highly motivated to practically apply obtained theoretical knowledge in Advanced Mathematics and Programming at position of **Data Scientist/ML Engineer**. In my current studies, I participated in projects on model-view-controller database app and credit scoring app; side internship on credit scoring and data collection script.

## Skills

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- Python (Level 3 Algorithms&Data Structures):
  - numpy, pandas, scikit-learn — active user;
  - xgboost, lgbm, seaborn, matplotlib, plotly — occasional user with documentation;
  - tensorflow keras, pytorch, nltk, bigquery — beginner.
- MacOS zsh, Linux VM bash — daily usage, basic scripts.
- Conda venvs, Docker Containerization — satisfactory for Python projects.
- C — along with Computer Architecture and Operating Systems course:
  - static/dynamic libraries;
  - synchronisation, interprocess communication;
  - users, groups, permissions.
- HTML (basic understanding; mainly used for Python projects).
- C++ (Level 2.5 in ADS I'd say: overall competence and lack of understanding of some language-specific aspects):
  - stdlib;
  - Qt Framework (cross-platform apps).
- Assembly (RISCV-32).

- Markdown — current CV is written in it.
- Russian (native), English (IELTS 7.5 ~ CEFR C1), French (CEFR A1).

## Education

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2022–2025 **BS Data Science and Business Analytics** LSE

**Relevant modules:**

- Business and Management in Global Context;
- Probability Theory;
- Mathematical Statistics.

2021–2025 **BCs Applied Mathematics and Informatics** HSE (GPA 5.77)

**Relevant modules:**

- Calculus and Differential Equations;
- Linear Algebra;
- Algorithms and Data Structures;
- Computer Architecture and Operating Systems.

**Relevant coursepaper**

"Program for Assessing the Creditworthiness of Borrowers Based on the Logistic Regression Algorithm":

- scikit-learn data prep + LogReg model;
- Flask web-app;
- Docker container;
- version control via GitHub.

2010-2022 **Secondary education** Language Gymnasium Gold Medal

## Internships

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August 2022 **Summer practice** MobileScoring

**BigData+ML research project:**

- Feature selection/engineering methods comparison (scikit-learn);
- Classification model tuning and selection (sklearn.linear/.tree/.ensemble, XGBoost, LightGBM, CatBoost);

- Proposition of company with employment of .parquet file format;
- Rollout of 2 boosting-based on internal PSI platform.

April 2023 **Practice internship MobileScoring**

**Data Scraping + Merging with existing database project:**

- Python requests+BeautifulSoup4 for html content parsing;
- lxml for parsing xml data;
- Pandas for merging datasets.

## Hobbies

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Drummer with secondary professional education. Adore kart racing and non-fiction literature. Enjoy dealing with PC hardware. Typing with 60 WPM rate :)