



# KSENIIA STARODUBTSEVA

Data Analysis | Machine Learning  
& Full-Stack

## Contact

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### Address

Messina, Italy

## Education

### International Relations

Saint Petersburg State University  
2019 – 2022

### B.Sc. Data Analysis

University of Messina  
2022 – 2026 (ongoing)

## Skills

- Programming & Development (Python, Java, C, React, Node.js, HTML/CSS)
- Data Analysis (Jupyter Notebook, MATLAB, Excel, Machine Learning, AI concepts)
- Databases (SQL, MongoDB, Neo4j)
- Tools & Workflow (Git, Jira, Pycharm, VS Code, IntelliJ)

## Language

- English
- Russian
- Italian

## Projects & Professional Experience

Sept  
2024

### Munch – Full-Stack Food Delivery Website

- Built a full-stack food delivery platform using MERN stack.
- Implemented secure user authentication, stripe payment integration, admin panel to manage users and mobile-responsive design.

May  
2025

### Monstrum – Java Strategic Combat Game

- Developed a Java-based strategy game with a responsive Swing UI and modular backend architecture.
- Implemented event-driven battle logic, state management for multiple game modes, dynamic UI updates and object-oriented design.

June  
2025

### Shark Attack Fatality Prediction (Binary Classifier)

- Analyzed real-world datasets to predict whether an incident is likely to be fatal or not, using Python (Pandas, Matplotlib, Numpy, scikit-learn) and Jupyter Notebook.
- Created data visualizations, engineered new features, trained and evaluated several machine learning models to determine the most accurate and interpretable solution for the prediction task.

July  
2025

### Machine Learning Model Training

- Trained and optimized multiple machine learning models including Random Forests, Logistic Regression, Gradient Boosting, and XGBoost to solve classification problems.
- Applied techniques such as hyperparameter tuning and cross-validation to improve accuracy, robustness, and interpretability of results. Evaluated models using metrics like ROC AUC, F1-score, and precision-recall to select the most effective solution for deployment.

## Extracurricular Activities

- Volunteer at the IV International Forum ‘Russia and Ibero-America in a Globalizing World: History and Modernity (2019)
- Participant of the “Young Entrepreneur of Russia” Forum (2021)
- Participant of the “DeepFake: The New Frontier of Digital Forgery” seminar on AI & Big Data (2025)