RUSLAN **TSIBIROV**

About Me

Data Science student with experience in machine learning, SQL, and predictive modeling. Passionate about leveraging data to drive insights and solve business problems. Open to internships and full-time roles in AI, analytics, and data science.

Languages

- Russian (Native)
- Ossetian (Native)
- English (C1)
- German (B1)

Contact

+49 178 289 7891

rustsibirov@gmail.com

Ingolstadt, Germany

LinkedIn

Github

Experience

Development of a Telegram chat-bot with embedded analytical software *07.2022 - 12.2022*

MGIMO University, Russia *Freelance contract*

Developed and deployed a Telegram chatbot (@Ester_MGIMO_Bot) for 1500+ students and staff at MGIMO University, reducing administrative workload. Integrated real-time analytics with Amplitude, enabling better user engagement tracking. Utilized Python (aiogram), PostgreSQL, and Amplitude Analytics.

Development of a Web Application for Students and Staff *05.2023 - 12.2023*

MGIMO University, Russia *Freelance contract*

Developed a web application module for creating and managing anonymous questionnaires, allowing teachers and administrators to design surveys in multiple formats for students. Built an admin panel to manage questionnaire creation, access controls, and response collection. Integrated MySQL for structured data storage and used HTML, CSS, JavaScript, and PHP to ensure a user-friendly interface. Improved data collection efficiency and usability for academic surveys.

Education

Catholic University of Eichstätt-Ingolstadt *10.2023 - Present*

Bachelor of Data Science specialized in Applied Mathematics and Scientific Computing

Moscow Aviation Institute (National Research University) *09.2019 - 12.2023*

Bachelor of System Analysis and Management

Projects

Consul Analytics – AI-Powered Citizen Engagement Platform

ConsulCon25 (Gran Canaria), Hackathon for Good (The Hague), Würzburg Hackathon | 2025

Consul Analytics is an AI-driven analytics platform revolutionizing citizen engagement in democracy. The project evolved from a 1st place win at Würzburg Hackathon to being among the top 4 projects selected out of 200+ teams at Hackathon for Good (The Hague) and ultimately being officially presented at ConsulCon25, the leading international conference on open-source democracy.

Key Achievements

- 1st Place at Würzburg Hackathon – Built the first MVP, recognized for its approach to digital participation analysis.
- "Open Challenge" Winner at Hackathon for Good (The Hague) – Selected as one of only four projects showcased out of 200+ competitors.
- Officially Presented at ConsulCon25 – Shared with global policymakers and civic leaders in Gran Canaria, securing interest from municipalities.

Key Features & Impact

- Sentiment Analysis: Uses NLP to extract insights from citizen proposals and discussions.
- Real-Time Engagement Metrics: Provides interactive dashboards to track citizen participation.
- Integration with Consul Democracy: Expands on the widely used open-source e-democracy framework.

📹 Video Presentation Available
🔗 GitHub: Consul Analytics

Data4Good Berlin Hackathon | Best Technical Excellence (1st Place)

Berlin, Germany | 01.2025

At the Data4Good Hackathon, organized by the Hertie School and supported by Accenture & Arolsen Archives, our team tackled the challenge of Uncovering Stories and Insights from Holocaust Documentation. Our project reconstructed imprisonment patterns and forced migration routes using data visualization, predictive modeling, and validation techniques.

Key Achievements

- *Won "Best Technical Excellence" (1st Place) for outstanding AI and software engineering implementation.*
- *Built a historical geographic analysis tool mapping Holocaust victims' movements from fragmented tracing card data.*
- *Applied predictive modeling to fill gaps in missing historical records, improving data accessibility for researchers.*

🔗 GitHub Repository

VGI Challenge | 2nd Place – Public Transport Demand Analysis

Ingolstadt, Germany | 11.2024

In a competition hosted by Technische Hochschule Ingolstadt and Verkehrsverbund Großraum Ingolstadt (VGI), we placed 2nd out of numerous teams by developing a data-driven transport analysis system.

Key Achievements

- Won 2nd Place for a high-impact analysis of public transport inefficiencies.
- Identified a 40% trip cancellation rate, including 12% due to passenger no-shows.
- Developed an interactive Google API map showing passenger density and demand trends.
- Built a machine learning model to predict no-shows, offering actionable insights for route optimization.

🔗 GitHub Repository
🔗 VGI Flexi Passenger Flow Website

Crowdedness Prediction for Ski Resorts | Tourism Tech Hackathon

Salzburg, Austria | 11.2024

At the Tourism Technology Festival Hackathon, we built an AI-powered tool to forecast congestion at ski resorts and improve operational efficiency.

Key Achievements

- *Developed a prototype to predict lift congestion, reducing wait times for skiers.*
- *Analyzed ski pass transactions & Mastercard payment data to detect usage spikes.*
- *Proposed targeted discounts and tariff adjustments, optimizing resort capacity management.*

🔗 GitHub Repository

Airline Ticket Price Prediction | Machine Learning Course Project

Ingolstadt, Germany | 07.2024

As part of a hands-on Machine Learning course project, we developed an AI model to predict airline ticket prices, analyzing key factors influencing fluctuations.

Key Achievements

- *Conducted deep exploratory data analysis to uncover pricing trends & patterns.*
- *Built predictive models optimizing pricing recommendations.*
- *Provided strategic insights for better airfare forecasting & budget travel planning.*

Skills

Programming & Development

- Python (Pandas, NumPy, Scikit-learn, PyTorch)
- SQL (PostgreSQL, MySQL, SQLite)
- JavaScript, HTML, CSS, PHP (for data-driven web applications)
- Bash & Linux Command Line (for automation & infrastructure support)

Data Science & Machine Learning

- Supervised & Unsupervised Learning (Regression, Classification, Clustering)
- Time Series Forecasting & NLP (Sentiment Analysis, Topic Modeling)
- Geospatial Data Analysis (Folium, Pydeck, keplergl)
- Feature Engineering & Model Optimization

Data Engineering, Analytics

- Data Processing & ETL Pipelines (for large-scale datasets)
- Cloud & Containerization (Docker)
- Amplitude Analytics & Business Intelligence (Power BI, Excel)
- API Development & Integration (Flask, REST APIs)

Soft Skills & Leadership

- Analytical Thinking & Problem-Solving *(applied in hackathons & research projects)*
- Technical Communication & Public Speaking
- Collaboration & Teamwork
- Project Management & Time Efficiency

Relevant Courses

- Foundations of Machine Learning *(Supervised/Unsupervised learning, model optimization, overfitting, regularization)*
- Optimization for Data Science *(Gradient Descent, Convex Optimization, Lagrange Methods)*
- Statistical Learning *(Bayesian Inference, Hypothesis Testing, Predictive Modeling)*
- Foundations of Data Science *(Data preprocessing, visualization, exploratory analysis, big data handling)*
- Intro to Stochastics *(Probability theory, Markov chains, stochastic modeling in ML & AI)*