# MURAD ALADDINZADE

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## EDUCATION

**Vanderbilt University – Data Science Institute**                          **Nashville, TN**
*Master of Science in Data Science (currently 3.94 GPA)*                          May 2025
- Relevant Coursework: GenAI models, Social Network Analysis, Deep Learning, Big Data Scaling, NoSQL, Cloud Computing, Data Science Algorithms, Advance Stats, AI Assisted Programming, NLP, Machine Learning, Data Base Management, NLP is Asset Management, Context Augmented GenAI Applications, Probability and Statistical inference

**Baku Higher Oil School – School of Business**                          **Baku, Azerbaijan**
*Master of Business Administration (91.75 out of 100 GPA)*                          May 2022
- Relevant Coursework: Project Management, International Finance, Statistics for Business and Economics, Managerial Finance, Accounting for Managers, Organizational Behavior, Strategic Management, Marketing, Risk Management

**ADA University – School of Business**                          **Baku, Azerbaijan**
*Bachelor of Business Administration (3.82 out of 4.00 GPA)*                          May 2020
- Relevant Coursework: Business Statistics 2, Business Analysis and Valuation, Corporate Finance, Risk Management,
- Won Procter & Gamble (P&G) CEO challenge country round and participated in Istanbul, Turkey Regional round

**Stockholm School of Economics**                          **Riga, Latvia**
*Study Abroad Program Exchange Semester*                          December 2017
- Selected coursework: Economic Statistics, International Finance, Financial Mathematics, Specialization in Economics

## SKILLS

**Relevant Skills**: Machine Learning, Deep Learning, NLP, LLMs fine-tuning, Data Engineering, API development, Data Analytics, Business Intelligence, Web Scraping, Statistical Analysis, A/B testing
**Related Platforms**: Python (advance), R (advance), SQL (advance), Docker (advance), Redis, MongoDB, Cassandra, Neo4j, Git/GitHub, Bash/Linux, AWS, Power BI (intermediate), QlikView, Excel, Power Point, HTML & CSS & JS (high familiarity)
**Related Frameworks/Libraries**: **Python**: Spark, Scikit-Learn, SpaCy, PyTorch, MapReduce, Hadoop, Beautiful Soup, Scrapy, Pandas, Numpy, Flask, Selenium and other data science libraries; **R**: tidyverse, data.table, shiny and other data analytics libraries

## EXPERIENCE

**SymTrain**                          **Nashville, TN**
*AI Engineer, Capstone Project*                          September 2024 – December 2024
- Developed customer service simulations using computer vision and vision-language models for seamless video analysis
- Developed and deployed API endpoints on AWS infrastructure, ensuring seamless integration and optimal performance
- Automated detection of UI elements, including buttons and text fields, as well as cursor location, using computer vision

**Vanderbilt University – Data Science Institute**                          **Nashville, TN**
*Artificial Intelligence Engineer*                          May 2024 – August 2024
- Fine-tuned Llama LLMs on NVIDIA A100 GPU using PEFT for optimized performance
- Developed a RAG-based chatbot leveraging the OpenAI API (GPT-4) for contextual information retrieval

**Vanderbilt University – Owen Graduate School of Management**                          **Nashville, TN**
*Research Assistant*                          November 2023- May 2024
- Developed API connection with Companies House API to automatically download financial reports of companies
- Automated the creation of JSON documents showing all legal information of companies

**Azerconnect LLC**                          **Baku, Azerbaijan**
*Senior Data Scientist*                          April 2022- August 2023
- Built machine learning models (KNN, K-means) for classification of customer base
- Built churn predictive modelling, was able to reduce monthly churn rates by 1.5% (approx. 3500 Subs)
- Implemented workflow automations, such as email sending with auto designated excel documents
*Business Intelligence and Analytics Specialist*                          September 2021 - April 2022
- Implemented daily analysis of subscriber base in terms of various KPIs in R studio
- Created regular informative dashboards for management decisions

## ADDITIONAL
- Language Skills: English (Fluent), Azerbaijani (Native), Turkish (Native)