

MURAD ALADDINZADE

[Website](#) | 615-918-1200 | murad.aladdinzade@vanderbilt.edu | [linkedin.com/in/murad-aladdinzade/](https://www.linkedin.com/in/murad-aladdinzade/)

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, Data Science Algorithms, Advance Stats, AI Assisted Programming, NLP, Machine Learning, Data Base Management, NLP in 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

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 using lambda, ensuring seamless integration and optimal performance
- Automated detection of UI elements, including buttons and text fields, as well as cursor location, using OpenCV

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)
- Designed and executed A/B testing experiments to assess digital ad campaign effectiveness on data pack purchases

Business Intelligence and Analytics Specialist

September 2021 - April 2022

- Implemented daily analysis of subscriber base in terms of various KPIs in R studio
- Implemented workflow automations, such as email sending with auto designated excel documents

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), AWS, GCP, Redis, MongoDB, Cassandra, Neo4j, Git/GitHub, Bash/Linux, Power BI (intermediate), QlikView, Excel, Power Point, HTML & CSS & JS (high familiarity)

Related Frameworks/Libraries: **Python:** PySpark, Scikit-Learn, SpaCy, PyTorch, OpenCV, MapReduce, Hadoop, Beautiful Soup, Scrapy, Pandas, Flask, Selenium and other data science libraries; **R:** tidyverse, data.table, shiny and other data analytics libraries

ADDITIONAL

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