

# MURAD ALADDINZADE

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## EDUCATION

### Vanderbilt University – Data Science Institute

Nashville, TN

Master of Science in Data Science (currently 3.91 GPA)

May 2025

- Relevant Coursework: GenAI models, Deep Learning, NoSQL, Cloud Computing, Data Science Algorithms, Advance Stats, AI Assisted Programming, NLP, Machine Learning, Data Base Management, Probability and Statistical inference, EDA

### 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:** Scikit-Learn, SpaCy, PyTorch, Beautiful Soup, Scrapy, Pandas, Numpy, Flask, Selenium and other data science libraries; **R:** tidyverse, data.table, openxlsx, shiny and 30 more data analytics libraries

## EXPERIENCE

### SymTrain

Nashville, TN

AI Engineer, Capstone Project

September 2024 - Present

- Developing object detection models using OpenCV to identify objects in videos and images
- Automating the extraction of key frames from video sequences 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
- Integrated OpenAI APIs such as Whisper and Chat Completions to develop advanced chatbots

### 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

- Presented monthly analysis to Chief Marketing Officer
- 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 (Fluent)