MURAD ALADDINZADE

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EXPERIENCE

SymTrain LLC   **Nashville, TN**
Artificial Intelligence (AI) Engineer, Capstone Project   Sep 2024 – Dec 2024
- Showcased OpenCV-based computer vision model in AWS SageMaker Notebooks using customer-service training videos
- Deployed FastAPI-based AWS Lambda endpoints for model inference, enabling real-time integration across services
- 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 (AI) Engineer   May 2024 – Aug 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   Nov 2023- May 2024
- Built an API connection to Companies House to auto-download company financial reports, saving ~10 manual hours weekly

Azerconnect LLC   **Baku, Azerbaijan**
Senior Data Scientist   Apr 2022- Aug 2023
- Developed XGBoost churn model that reduced monthly subscriber churn by 1.5%, strengthening retention strategies
- Clustered customers with K-means into seven cohorts (2 high-value, 3 mid-tier, 2 low-value), enabling targeted campaigns
- Designed and executed A/B testing experiments to assess digital ad campaign effectiveness on data pack purchases

Business Intelligence and Analytics Specialist   Sep 2021 – Apr 2022
- Implemented daily analysis of subscriber-base KPIs in R Studio and visualized results in Power BI
- Implemented workflow automations, such as email sending with auto designated excel document

Azerfon LLC   **Baku, Azerbaijan**
Business Intelligence Specialist   Jan 2021 – Sep 2021
- Engineered Python/R ETL to consolidate 5M+ daily records and auto-generate KPI reports, saving 20+ manual hours weekly

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, Part-time, Evening Sessions)   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
- *Achievements*: Won *Procter & Gamble (P&G) CEO* challenge country round and participated in Turkey Regional round
- Relevant Coursework: Business Statistics 2, Business Analysis and Valuation, Corporate Finance, Risk Management

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

SKILLS

Relevant Skills: Machine Learning (ML), Deep Learning, NLP, LLMs fine-tuning, Big Data, Data Engineering, API development, Data Analytics, Business Intelligence, Web Scraping, Statistical Analysis, A/B testing
Related Platforms: Python, R, SQL, Docker, AWS, S3, Lambda, Bedrock Knowledge Bases, Azure, Databricks, GCP, Redis, MongoDB, Cassandra, Neo4j, Git/GitHub, Bash/Linux, Power BI, QlikView, Excel, PPT
Related Frameworks/Libraries: **Python**: PySpark, Scikit-Learn, SpaCy, PyTorch, OpenCV, MapReduce, Hadoop, Beautiful Soup, Scrapy, Pandas, Flask, Streamlit, FastAPI, Selenium and others; **R**: tidyverse, data.table and other data analytics libraries