Bahruz Huseynov

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Experience

Data Science & AI Trainee, Educational Institute fo Azerbaijan – Azerbaijan, Baku   May 2022 – Sept 2022
- 264 hours of intensive training with an acceptance rate of 6% and selected over 650 applicants
- Made data analysis, preprocessing and visualization with Python, SQL and Tableau
- Facilitated practical application of acquired skills on Machine Learning problems with PyTorch

Data Science Intern, QSS Analytics – Azerbaijan, Baku   Dec 2022 – March 2023
- Visualizing and analyzing the reports, data cleaning and some other data preprocessing steps
- Feature engineering, building and optimizing classifiers using machine learning techniques
- Enhancing data collection procedures, processing, and verifying the integrity of data
- Became a Python supervisor at Data Science Academy

Data Science Intern, Snapbrillia – Remote, USA   March 2023 – April 2023
- Optimized machine learning models for improved prediction accuracy and performance
- Conducted high-quality datasets through rigorous cleaning and validation processes
- Applied appropriate data science techniques to solve business problems

Education

Baku Higher Oil School, BEng, Automation Engineering (GPA: 3.3/4.0)   Sept 2018 – July 2023
- Degree Awarded with Distinguished Participation at the "Process Automation and Information Security 2022" International Conference
- Thesis statement: Multi-class Bird Classification with Efficient Net Architecture (from scratch) ⓞ Github

Eötvös Loránd University, MSc in Computer Science, AI   Sept 2023 – Exp. July 2025
- Has been an awardee of the Stipendium Hungaricum scholarship
- Thesis statement: Comparison of training methods for sarcasm detection with embeddings

Projects

AI Laboratory Project: Lego Tracking and Counting
- Developed a pipeline by integrating Object Detection, Semantic Segmentation, and Object Tracking algorithms to enable real-time tracking of multiple objects across frames.
- Tools Used: Python, PyTorch, YOLOv8 and RT-DETR from Ultralytics, Google Colab

Advanced Software Technology Course Project: Balanced Diet Tracker   ■◀ Watch Demo
- I contributed to the group project with a simple recommender system designed to suggest three meal options based on different times of the day and deployed the solution for seamless access.
- Tools Used: Python, Numpy and Pandas, Scikit-learn, Digital Ocean

Skills

Core skills: Mathematics for Data Science and Machine Learning, Data and Science, Machine and Deep Learning, Computer Vision (CNNs and their applications), Sequence models (NLP, Time Series Analysis)

Analytical skills: Problem Solving, Data Analysis, Predictive Modelling, Statistical Analysis

Languages/Technologies Python, C++, SQL, HTML, CSS, Git/Github

Libraries/Frameworks Numpy, Scipy, Pandas, Matplotlib, Seaborn, OpenCV, Pillow, NLTK, spaCy, Beautiful Soup and Selenium, Scikit-learn, PyTorch, TensorFlow, Keras