RAMIL ZOHRABLI

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|*Github*: https://github.com/RamilZohrabli | *Portfolio*: https://ramilzohrabli06.github.io/portfolio/ |

PROFESSIONAL SUMMARY

Computer Engineering student with practical experience in Machine Learning and Deep Learning. Experienced in Python- and SQL-based data workflows, GPU-accelerated model training, and evaluation. Hands-on experience with end-to-end pipelines covering data preprocessing, experimentation, and performance analysis in applied NLP and Computer Vision tasks.

EDUCATION

ADA University – BSc in Computer Engineering (GPA 3.2/4.00)
Baku, Azerbaijan | Expected Graduation: 2027

Relevant coursework
Data Structures & Algorithms, Machine Learning, Artificial Intelligence, Probability & Statistics, Microprocessor Systems, Signal Processing, Embedded Systems, Control Engineering

Chung-ang University – Academic Exchange
Seoul, South Korea | October 2025 – December 2025

Relevant coursework
Database Systems, Discrete Math, Linear Algebra, Computer Architecture, Basic Electronics Circuit

Sigma Software University & IDDA– StrategEast: Digital Level Up Program
Baku, Azerbaijan| Remote |September 2025 – December 2025

Relevant achievements
- Engaged in remote Data Science training modules within the Digital Level Up Program of Innovation and Digital Development Agency
- Granted a free OCI Data Science Professional exam voucher based on performance

EXPERIENCE

AI Researcher (Independent)
Chung-Ang University | AI Laboratory | Seoul, South Korea
October 2025- December 2025

- Collaborated with an academic AI laboratory on applied machine learning and computer vision experiments using GPU-accelerated workflows.

- Built and maintained data preprocessing and augmentation pipelines, supporting large-scale experimental analysis.

- Conducted model training, evaluation, and performance analysis across multiple experimental setups.

- Designed and executed end-to-end machine learning pipelines, from data preparation to model evaluation, using Python and PyTorch.

Selected Projects:

- **Fake News Detection (NLP – BiLSTM):** Developed a GPU-accelerated BiLSTM-based fake news detection system using PyTorch. Built an end-to-end NLP pipeline including text preprocessing, tokenization, embedding generation, model training, and evaluation
  Github Link:
  https://github.com/RamilZohrabli/FakeNewsDetection

- **Real-Time Deepfake Detection (CNNs):** Conducting a comparative study of lightweight CNN architectures for real-time deepfake detection. Implemented a frame-based pipeline with custom PyTorch datasets, weighted sampling, AMP training, and GPU benchmarking. Evaluating MobileNetV3-Small, EfficientNet-B0, and ResNet18 on DFD and Celeb-DF v2 datasets.
  Github Link:
  https://github.com/RamilZohrabli/deepfake_detection_cnn_main

- **Agrovision AI:** Co-developed an AI-powered web application for agricultural insights. Responsible for AI/ML components, including model integration and inference logic, while collaborating with a teammate on the web interface and deployment.
  Live Demo:
  https://huggingface.co/spaces/Team-Agrovision/Agrovision
  Github Link:
  https://github.com/Ismayil338/Agrovision

Azorel LMP — Procurement Data Intern
Baku, Azerbaijan | Head Office
June 2024–August 2024

- Assisted with collecting, organizing, and validating vendor data for procurement analysis.

- Helped maintain a structured vendor database, ensuring data accuracy and consistency.

- Prepared weekly summaries on pricing, supplier reliability, and delivery timelines using Excel-based analysis.

- Supported documentation, sourcing tasks, and vendor communication workflows.

SKILLS

Technical Skills

- *Programming*: Python, SQL, Java, C/C++

- *Machine Learning & Data Science/Analytics*: NumPy, Pandas, Scikit-learn, Matplotlib, Seaborn, Data Cleaning, Feature Engineering, Exploratory Data Analysis (EDA)

- *Deep Learning*: PyTorch, CNNs, RNN/BiLSTM, Transfer Learning, GPU-accelerated training, Model Evaluation & Metrics, Loss optimization, Experiment Reproducibility

- *ML Engineering & Experimentation*: Data Preprocessing Pipelines, Custom Datasets (PyTorch), Weighted Sampling, Batch Processing, Experiment Tracking, Hyperparameter Tuning, Model Benchmarking

- *Tools & Technologies*: Git/GitHub, Linux (basic CLI), Jupyter Notebooks, TensorBoard, Excel (analysis & reporting), VS Code, Google Colab

Soft Skills
Analytical Thinking • Problem Solving • Research Skills • Team Collaboration • Adaptability • Attention to Detail • Strong Work Ethic

ACHIEVEMENTS & CERTIFICATES

- **ADA University:** List of Distinction (GPA 3.2), Fall 2024
- **ADA University**: Dean's List of Distinction (GPA 3.56), Spring 2025
- **Coursera:** IBM Data Science, AI For Everyone, Google Data Analytics
- **Oracle:** OCI AI Foundations Associate 2025
- **Udemy:** 100 Days of Code: Python Pro Bootcamp, Python for Machine Learning & Data Science Masterclass
- **Certificates of Participation**: Abyss Hackathon, IDDA Hackathon

LANGUAGES

Azerbaijani (native), **English** (fluent), **Turkish** (native or bilingual), **Russian** (Elementary)