

Orkhan Nuriyev

orkhannuriyevwork@gmail.com | +994706899697 | [Portfolio](#) | [LinkedIn](#) | [GitHub](#)

SUMMARY

AI/ML Engineer with hands-on experience designing, building, and deploying end-to-end AI and ML applications using LLMs, RAG, AI agents, FastAPI, PyTorch, Docker, and modern APIs. Experienced in developing production-ready ML pipelines, integrating local and cloud models and building scalable voice AI solutions with automated pipelines and CI/CD.

TECHNICAL SKILLS

Programming: Python, SQL

Artificial Intelligence: LLMs, VLMs, RAG, FAISS, AI Agents, Multi-Agent Orchestration, PyTorch, Transformers, Ollama, llama.cpp, Hugging Face Hub, Speech-to-Text (STT), Text-to-Speech (TTS), Speech Processing

Computer Vision & Deep Learning: Computer Vision, Neural Networks, CNNs, Object Detection, YOLOv8, ONNX, Image Processing, U-Net, Deep Learning, Model Evaluation, Model Optimization

Data Science: Machine Learning, Supervised Learning, Unsupervised Learning, Reinforcement Learning, Scikit-learn, XGBoost, Statistics, Pandas, NumPy, SciPy, Matplotlib, Seaborn

Backend & Databases: REST APIs, FastAPI, WebSockets, PostgreSQL, MySQL, DuckDB, ChromaDB, SQLAlchemy (ORM)

Business Analysis: Power Query, Process Documentation, Workflow Analysis, Financial Statement Analysis

AI Development Tools: GitHub Copilot, Claude Code, OpenAI Codex, Cursor, Antigravity

Tools: Git, GitHub, GitHub Actions, Docker, Postman, VS Code, n8n, Jupyter Notebook, Google Colab, Excel, Power BI

WORK EXPERIENCE

Finance intern | 166 Global Logistics

01/10/2025-09/01/2026

- Prepared financial and operational reports using Microsoft Excel and Google Sheets.
- Analyzed financial data, monitored internal cash flow, and maintained accurate financial records.
- Reviewed contracts and validated financial data to ensure accuracy and compliance.
- Supported financial reporting and business operations through spreadsheet-based data analysis.

Project Data Coordinator | Azerbaijan Centre for The Fourth Industrial Revolution

12/03/2025 -20/06/2025

- Collected, cleaned, and analyzed operational data, maintaining project tracking dashboards using Microsoft Excel.
- Prepared reports and documented project workflows to support data-driven decision-making and project execution.
- Coordinated the nationwide distribution of over 20,000 Coursera licenses through the 4SI Academy program.

Data & Uniform Intern | COP29 UN Climate Conference

18/10/2024 – 22/11/2024

- Maintained and updated uniform distribution records using spreadsheets to ensure data accuracy and inventory tracking.
- Verified participant information and supported operational data management for efficient event logistics.
- Collaborated with cross-functional teams to ensure accurate documentation and timely distribution of uniforms.

Data Manager | AIESEC in Azerbaijan

01/01/2024 – 08/08/2024

- Managed and maintained organizational datasets using AIESEC's EXPA platform and Microsoft Excel.
- Monitored dashboards, tracked key performance indicators (KPIs), and analyzed operational data to support reporting and decision-making.
- Ensured data accuracy and optimized data management workflows through validation and continuous record maintenance.

Leasing Operations Intern | Birmarket (Umico)

01/12/2023-01/01/2024

- Collected, validated, and processed customer and leasing application data within the company's internal systems.
- Reviewed customer documentation and verified application details to ensure data accuracy and compliance.
- Maintained accurate records and performed data quality checks to support efficient leasing operations.

PROJECTS

AzVoice AI – Azerbaijani Local AI Voice Assistant

- Developed an end-to-end Azerbaijani voice assistant integrating STT, LLMs, hybrid RAG (FAISS + BM25), tool calling, and TTS for real-time voice conversations.
- Built a hybrid inference pipeline supporting both local (Faster-Whisper, Ollama) and cloud (Groq, Gemini) models with automatic fallback mechanisms.
- Designed and deployed a FastAPI backend with WebSocket-based real-time communication and PostgreSQL-powered tool calling, containerized using Docker.
- Evaluated and integrated multiple open-source and cloud LLMs to optimize inference latency, cost, and response quality.

GitHub: <https://github.com/orxannuriyev/AzVoice-AI>

QuadroSense - ML-Based Soil Moisture Prediction System

- Developed an end-to-end machine learning platform for forecasting soil moisture across multiple regions in Azerbaijan.
- Built automated ETL pipelines using Python and Pandas to collect weather data from the Open-Meteo API and trained region-specific XGBoost models, achieving a Mean Absolute Error (MAE) below 0.05.
- Automated daily predictions and database updates through GitHub Actions CI/CD workflows.

Live Website: <https://www.quadrosense.online/>

EDUCATION

Business Analytics - UNEC

Baku, Azerbaijan

15/09/2023-present

- Statistics, Probability Theory, Mathematical Methods in Decision Making
- Macroeconomics, Financial Accounting, Business Analytics, Risk Management

Final grade: 97/100

Data and AI - IronHack, IDDA

Baku, Azerbaijan

16/02/2026-17/07/2026

- Data preprocessing, advanced Statistics, exploratory data analysis
- Machine Learning, Regression, Classification models, Unsupervised Learning, MLOps
- Deep Learning(CNN, Neural Networks), Model evaluation, Feature engineering, Model Deployment
- LLMs, VLMs, RAG, Self-Hosted(Ollama), AI Agents, Hosted Models, FastAPI, DuckDB for analytical queries

Final grade: 99/100

AI Engineering - AI Academy

Baku, Azerbaijan

01/04/2026-current

- Linear Algebra, Calculus, Statistics & Probability for AI, Python Automation
- Advanced Software Engineering, Machine Learning, Deep Learning, API Integration

Data Analytics – Oracle University, StrategEast, IDDA

Baku, Azerbaijan

06/09/2025 – 22/12/2025

- Databases & SQL : MySQL, Writing queries, data filtering, aggregation, merging
- Excel & Power BI : Excel functions, pivot tables, charts, and data analysis; built interactive Power BI dashboards, visualizations, KPIs, and performed data transformations with Power Query and DAX.

AWARDS AND CERTIFICATES

Oracle Cloud Infrastructure 2025 Certified Data Science Professional | Oracle University | Dec 2025

Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate | Oracle University | Dec 2025

“Əlaçı” Scholarship Program | PASHA Holding LLC | Oct 2026

Huma Quşu Scholarship | Huma Quşu Foundation | Dec 2025

TOP15 Scholarship | Azerbaijan State University of Economics | Feb 2025

Red Hearts Education Scholarship | Kapital Bank | Feb 2023

Gold Medal – National Geography Olympiad | Ministry of Science and Education | Jul 2023

Silver Badge for Excellence in Education | Ministry of Science and Education | Jul 2023

LANGUAGES

Azerbaijani – Native

| English – C1

| Chinese – HSK2