



Javid Guliyev

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WORK EXPERIENCE

INTERNATIONAL BANK OF AZERBAIJAN (ABB) – BAKU, AZERBAIJAN

DATA SCIENTIST – 10/03/2025 – CURRENT

- Worked with various Large Language Models (LLMs) and implemented multi-agent system architectures
- Contributed to real-time AI system integrations serving millions of customers
- Collaborated on AI-powered backend solutions
- Applied prompt engineering techniques and integrated external tools into virtual assistant chatbots
- Actively participated in agile development processes and team discussions

PITECSH LLC – BOSTON, UNITED STATES

LEADING ML ENGINEER (REMOTE) – 02/11/2024 – CURRENT

- Led a team of AI engineers, managing projects in computer vision and AI infrastructure focused on aerial imagery.
- Designed and deployed scalable AI/ML solutions, optimizing model performance for remote sensing applications.
- Developed and fine-tuned computer vision models for instance segmentation, land classification in aerial images.
- Created and assigned tasks, ensuring efficient project distribution across the team.
- Maintained AI infrastructure, ensuring smooth deployment, monitoring, and integration of models.

UFAZ FRENCH-AZERBAIJANI UNIVERSITY – BAKU, AZERBAIJAN

COMPUTER SCIENCE TEACHER (PART-TIME) – 20/11/2023 – CURRENT

- Developing and delivering lectures on various computer science topics.
- Supervising and mentoring undergraduate students.

DIGITAL UMBRELLA – BAKU, AZERBAIJAN

ARTIFICIAL INTELLIGENCE (AI) ENGINEER – 01/08/2022 – 07/03/2025

- Developed deep learning models, including CNNs, Super-Resolution, and GANs, for computer vision tasks.
- Designed and deployed data pipelines using Apache Airflow to streamline and automate data workflows.
- Utilized OCR, page recognition models and Regex to extract valuable insights from unstructured scanned text data.
- Created interactive dashboards in Streamlit, enabling real-time data visualization and insights.
- Managed PostgreSQL and MSSQL databases to ensure efficient data storage and retrieval.
- Worked with RAG, LangChain, and OpenAI models to develop sophisticated AI applications.
- Integrated TTS and STT models to enable voice-powered functionality in applications.

CODESOCIETE – BAKU, AZERBAIJAN

ARTIFICIAL INTELLIGENCE INSTRUCTOR – 15/08/2024 – 02/2025

- Taught Python, Machine Learning, and Deep Learning concepts to students/professionals.
- Designed and delivered hands-on training sessions covering data preprocessing, model building, and deployment.
- Explained core ML algorithms and deep learning architectures.
- Guided students in implementing real-world projects using TensorFlow, PyTorch, and Scikit-Learn.
- Provided mentorship, helping students transition into AI/ML careers.

ICUBE STRASBOURG – STRASBOURG, FRANCE

DATA SCIENCE RESEARCH TRAINEE – 15/02/2022 – 27/07/2022

- Evaluated machine learning algorithms for positioning problems using magnetic fields.
- Developed high-performance models with Random Forest (RF), XGboost, ensemble methods, SVM and linear regression.
- Optimized models using Optuna and Hyperopt for enhanced accuracy and efficiency.
- Conducted exploratory data analysis (EDA) and created 3D plots for data visualization

QVANT – BAKU, AZERBAIJAN

SOFTWARE ENGINEER INTERN – 01/04/2019 – 30/09/2019

- Introduced and integrated features, elevating analytical visualization at Inloya.com and partner projects.
- Created API endpoints with ASP.NET & C# and implemented operations database management,
- Developed responsive web pages using HTML, CSS, and JavaScript.

● **EDUCATION AND TRAINING**

01/09/2020 – 30/06/2022

M.SC. DATA SCIENCE AND ARTIFICIAL INTELLIGENCE French-Azerbaijani University

15/09/2016 – 30/06/2020

B.SC. COMPUTER ENGINEERING Azerbaijan State Oil and Industry University

01/08/2017 – 01/12/2020 Azerbaijan

SOFTWARE ENGINEERING STEP IT Academy

● **SKILLS**

General Skills

Problem analysis & Problem Solving | Geospatial Analysis | Machine Learning | Deep Learning | Data Science

Programming Skills

Python | OOP | SQL | Numpy | Matplotlib | PyTorch | OpenCV | YOLO | Pandas | Scikit-Learn | XGBoost | LightGBM | Tensorflow | C/C++ | CUDA | Streamlit | PostgreSQL | MSSQL | FastAPI | GDAL/Rasterio | GeoPandas

Tools and software

Linux | Apache AirFlow | Git | Docker | Github | IT Essentials Cisco | Jupyter Notebook | QGIS