Asif Habilov

Place of birth: Azerbaijan | **Phone number:** (+994) 554428843 (Mobile) | **Email address:** asif.habilov@gmail.com | **LinkedIn:** Asif Habilov | **Address:** Baku, Azerbaijan (Home) | **GitHub:** github.com/Manheim666

EDUCATION AND TRAINING

15/09/2023 – 01/07/2027 Baku, Azerbaijan
BSC COMPUTER SCIENCE Baku State University

Main Subjects:
• **Mathematics:** Linear Algebra, Mathematical Analysis, Probability Theory and Mathematical Statistics, Discrete Mathematics, Numerical Methods, Optimization Methods
• **Computer Science:** Algorithms Analysis and Design Methods, Data Structures, Fundamentals of Programming, Programming Technologies, Database, Big Data
• **Systems & Networks:** Operating Systems, Computer Networks, Computer Architecture

Current grade 95.25/100 | **Level in EQF** EQF level 6

16/02/2026 – 15/06/2026 Baku, Azerbaijan
AI ENGINEERING PROGRAMME Ministry of Defence Industry of Azerbaijan(Azersilah)

Main Subjects: AI & Machine Learning, Computer Vision, Autonomous Systems, Data Engineering. Certificate of Distinction.
Occupational Skills:
- Designed end-to-end machine learning and data processing pipelines.
- Developed object detection, classification, and visual tracking systems.
- Deployed and optimized AI models for real-time performance and edge computing.

16/02/2026 – 17/07/2026 Baku, Azerbaijan
DATA SCIENCE & AI Ironhack

Main Subjects: Data Science, Advanced ML & Deep Learning, Computer Vision, MLOps, Data Engineering, Statistics.
Occupational Skills:
- Designed and trained machine learning and deep learning models for pattern recognition.
- Architected scalable data engineering pipelines from extraction to deployment.
- Managed end-to-end AI lifecycles, including exploratory data analysis (EDA) and MLOps practices.

02/02/2026 – 29/05/2026 Baku, Azerbaijan
GEN AI Holberton School Azerbaijan

Main Subjects: Generative AI, LLMs & Prompt Engineering, Multimodal Systems, AI Application Development, Responsible AI.
Occupational Skills:
- Built and deployed custom digital assistants and automation agents.
- Integrated various AI models into application workflows using APIs.
- Developed solutions using multimodal architectures for multimedia generation.

WORK EXPERIENCE

IT SUPPORT & DATA ANALYST ASSISTANT (INTERN) – MINISTRY OF ECOLOGY AND NATURAL RESOURCES – 02/06/2025 – 31/08/2025 – BAKU, AZERBAIJAN

- Processed and sanitized environmental datasets to enhance government reporting and decision-making.
- Enforced security protocols and data integrity to ensure compliance with government governance standards.
- Delivered IT support and system administration, including troubleshooting and user access management.

SKILLS

Programming

Python | SQL

Machine Learning & AI

Supervised & Unsupervised Learning | Deep Learning | CNN and RNN | Ensemble methods (Random Forest, gradient boosting) | Time-series forecasting | Computer Vision

Libraries

PyTorch | TensorFlow | Scikit-learn | Optuna | OpenCV | Ultralytics YOLO | Imbalanced-learn | Prophet

Data & Visualization

NumPy | Pandas | Folium | Plotly

LANGUAGE SKILLS

Mother tongue(s): **AZERBAIJANI**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C2	B2	C1	B2

PROJECTS

Wildfire Risk Forecasting

- Processed environmental data to engineer 184 predictive features for forecasting.
- Trained and optimized machine learning classifiers to accurately predict risk levels.
- Delivered an interactive risk-map dashboard, providing stakeholders with transparent and explainable forecasts.

Links manheim666.github.io/Wildfire/ | github.com/Manheim666/Wildfire

Bee-A-Hero (Orchard Pollination Analytics)

- Built a leak-free, balanced training corpus of 151,545 labelled images across 2,526 classes from raw iNaturalist and targeted flower/insect archives.
- Trained and evaluated flower and multi-class insect detectors with multi-object tracking to identify, time, and count individual pollinator visits without double-counting
- Converted tracked landing episodes into per-flower, per-species visit records, the input for a planned fruit-set yield model (designed, not yet built)

Link https://github.com/Manheim666/Bee-A-Hero

Cassava Leaf Disease Classification

- Fine-tuned a ConvNeXt-Small backbone at 384 px on 21,397 farmer photos (4 diseases plus healthy), using label smoothing, mixed precision and a one-cycle schedule to cope with noisy labels and class imbalance.
- Averaged it with EfficientNetV2-S for 0.899 accuracy and 0.816 macro-F1 on a 4,280-image held-out split; analysed per-class F1 and confusion matrices to locate weak classes such as Bacterial Blight.

Link https://github.com/Manheim666/cassava-leaf-disease

Problematic Internet Use Prediction - Child Mind Institute

- Built a gradient-boosting ensemble (LightGBM, XGBoost, CatBoost) to predict problematic internet use severity in 2,736 children from physical, fitness and sleep data, excluding 22 target-defining questionnaire columns to prevent leakage.
- Blended a severity model with a Tweedie model of the 0–100 questionnaire score and tuned class cut-offs for quadratic weighted kappa, reaching 0.460 QWK under nested 5-fold × 5-seed cross-validation.

Link https://github.com/Manheim666/problematic-internet-use