



Ismayil Ismayilzada

Machine Learning Engineer

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Education

2018 – 2022 **Bachelor of Information Technology, Azerbaijan State Oil and Industry Univers**
Baku, Azerbaijan

2022 – present **Master of Computer Science Engineering,**
Budapest, Hungary *Budapest University of Technology and Economics*

Professional Experience

2017 – 2021 **Helpdesk, CompServis**
Smgayit, Azerbaijan This includes troubleshooting hardware and software issues, managing user accounts and permissions, and ensuring that all technical issues are resolved in a timely and professional manner.

2021 – 2021 **Junior Software Developer, TuranBank OJSC**
Baku, Azerbaijan Development of new software modules for Core Banking Systems
Working with and making changes to the Legacy code.
Creating views, functions and stored procedures
Writing optimized SQL queries for integration with other applications

2022 – 2022 **Research Intern, Azerbaijan National Aerospace Agency**
Baku, Azerbaijan Using remote sensing in GIS, Development of Digital.
Elevation Model (DEM) in the case of Absheron city.
Relief description methods and surface interpolation on the map (in the example of the city of Absheron)

Skills

Python ● ● ● ● ●
Django, NumPy, Pandas, Scikit-learn, Matplotlib,
TensorFlow, OpenCV

Supervised learning algorithms ● ● ● ● ●
Linear Regression, Logistic Regression, Decision
Trees, Support Vector Machines





Database ● ● ● ● ●
SQL, MySQL, MsSql, PostgreSQL, PL/SQL, Oracle
Database 12c, DataGrip, Toad for Oracle, Navigator

Software Development Tools ● ● ● ● ●
Git, Jupyter Notebook, PyCharm, Google Colab,
Visual Studio Code

Data visualization ● ● ● ● ●
Matplotlib, Seaborn, Plotly, Pandas Visualization

Programming Languages ● ● ● ● ●
C# (.NET), Java

Projects

| | |
|----------------|---|
| 2021 – 2021 | image to ASCII converter  I want to create software that makes ASCII art. This is mainly done because of boredom, and ASCII art looks interesting. For now, I have been able to convert images to ASCII, but I am planning to make such that, in the end, it will be possible to convert whole videos and movies too. |
| 2021 – 2022 | Express bank money transfer systems  This project aims to have online and digital money transfers between different branches of the bank. This makes it easier to edit and modify all kinds of information and contracts via core banking system for the internal employees |
| 2021 – 2022 | Research on the application of big data technologies in the transport sector (Thesis), <i>Big data, database, IoT, AI, transportation, logistics</i>  This paper discusses some of the unsolved problems associated with big data technologies. |
| 2022 – 2023 | Pre trained Speaker recognition embedding models for disorder speech classifications, <i>Machine Learning, x-vector, ECAPA, ensemble learning, SVM, SVR, Boosting, Bagging</i>  This project aims to investigate the binary classification of voice disorders using speaker verification embedding models. |
| 2023 – present | Security of Machine learning based Malware Detection Adversarial examples are maliciously modified program code where the modification is hard to detect yet the prediction of the model on this slightly modified code is very different compared to the unmodified code. My job is to develop solutions to detect adversarial examples, develop robust training algorithms for malware detection, or design backdoor attacks. |

Languages

Azerbaijani

Native

English

IELTS 8.0

Turkish

B2

Russian

A1

Interests

Literature

Mostly Fiction, Lovecraftian and Mystery

Music

Every kind of music. I like to go to the live concerts

Sports and Fitness

It is always fun to play football with friends and go to swimming sometimes

Volunteer Work

Volunteered in musical festivals, Teknofest 2022, and community events.

Culinary Arts:

I enjoy cooking, baking, or experimenting with new recipes