



# Nijat Zeynalov

## Machine Learning Engineer

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## About Me

Multifaceted, AWS and Google Certified Machine Learning Engineer with 3+ years of programming experience producing machine learning solutions based on predictive modeling. Proficient with ML technologies for development, deployment of ML algorithms, entire training and inference pipelines.

## Skills

- AWS Services
- Predictive Modeling
- TensorFlow
- PyTorch
- NLP
- Computer Vision
- Web Scraping
- SQL
- AWS Sagemaker
- Linux commands, Git
- MLFlow
- RabbitMQ
- Docker
- Python
- OOP

## Certifications

AWS Machine Learning Specialty (MLS-C01)

Google Certified TensorFlow Developer

## Rewards

Achieved in top 15 at Data Competition : E-GOV

Winner of "The Open Data Hackathon for Municipalities" : Valmiera, Latvia

Awarded by the management for building an analytical model to increase sales: ABB

## Work Experience

- Aug 2022 - present **Machine Learning Engineer @azerconnect LLC**
- Applying perspective transformation and homography to build OCR engine
  - Building face liveness detection engine for spoofing face recognition
- Apr 2021 - Aug 2022 **Data Scientist @ABB Bank**
- using predictive modeling to increase and optimize customer experiences, revenue generation. (the conversion rate increased by 10 %.)
  - deploying a machine learning model as a web service for prediction
- June 2021 - Dec 2021 **Visiting Researcher @CSB group at University of Cambridge**
- Consulting with researchers to analyze problems, recommend ML-based solutions and determine computational strategies under the professor Garib Murshudov.
- May 2020 - Apr 2021 **Junior Data Scientist @ABB Bank**
- developing and training deep learning models to perform text-to-speech tasks, or other NLP-related tasks.
  - working with conversational telegram bot, including maintaining, optimizing, deployment and monitoring
- Feb 2019 - Jul 2019 **Software Developer Internship @SINAM**
- Creating e-system for hotels and transforming software designs into high functioning code in the Python programming language.

## Education

2015 - 2019 **B.S Computer Engineering @Azerbaijan Technical University**

2019 - **M.Sc Innovation and Technology Management @University of Tartu**

## Highlighted Projects

New product demand forecasting via Content based learning for multi-branch stores

Automating Customer Support with NER (Named Entity Recognition) in Azerbaijani

Implementing Norvig's Spell Checker Algorithm for the Azerbaijani language

Building session-based recommendation system for e-commerce website

Building face liveness detection engine for spoofing face recognition

Developing positive-unlabeled learning model pipeline