SANAN SULEYMANOV

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EDUCATION

MSc., Computer and Systems Engineering

Tallinn University of Technology

Sep 2021 - Jun 2023 Tallinn, Estonia

- Thesis: Underwater video object tracking in challenging visibility conditions
- Relevant Coursework: Computer Vision, Machine Learning, Machine Learning for Embedded Systems, Robotics, Control Systems.

Bachelor, Process Automation Engineering

Azerbaijan State Oil and Industry University

Sep 2016 - Jun 2020 Baku, Azerbaijan

- Thesis: Identification and Optimization of Gas-lift well performance
- Cum Laude

EXPERIENCE

Equipment Engineer

Ericsson Estonia

Nov 2021 - Present Tallinn, Estonia

- Developed and implemented maintenance plans and schedules for production equipment, while monitoring performance and analyzing data.
- Maintained an impeccable safety record throughout my tenure, successfully achieving zero equipment-related incidents in production.
- Demonstrated strong organizational and communication skills, ensuring smooth coordination among stakeholders including production, maintenance and project team.
- Took charge of defining requirements and specifications for the design of new equipment or upgrades, driving the end-to-end process from concept to installation and testing.
- Implemented development and upgrade on production lines related to NPI projects

Management Assistant

Su Inshaat

Jan 2021 - Aug 2021 Tallinn, Estonia

- Preparation of handover act of projects and HSE documents.
- Managing tasks among team members given by the Management Board.
- Internal audit of ISO 9001, 14001, 45001 application.
- Seeking out suitable prospective partner companies while actively pursuing new customer acquisition and conducting successful sales meetings.

HANDS-ON PROJECT EXPERIENCE

AI Medical Diagnostics Application, 2023

Web-based medical application is developed to assist medical institutions in the diagnostics of medical conditions. Currently, it can segment the cancer areas in the brain from uploaded MRI images and also, predict whether a patient is likely to get a stroke based on the input parameters like gender, age, various diseases, and smoking status.

Tool Stack: Django, HTML/CSS, Tensorflow, OpenCV, scikit-learn, numpy

GitHub repo: `https://github.com/SananSuleymanov/Medical_diagnostics_AI`

ABOUT ME

" Over the last three years, I have passionately pursued the enhancement of my skills in the field of AI, with a focus on Machine Learning and Computer Vision during my master's program. My commitment has been evident through both academic excellence and practical project engagements. This journey has equipped me with hands-on experience and a profound theoretical foundation, encompassing essential tools crucial for the development of AI projects. "

TECHNICAL STRENGTH

Python	●●●●●
C/C++	●●●○○
ML/Computer Vision	●●●●○
OpenCV	●●●●○
Tensorflow	●●●●○
scikit-learn	●●●○○
numpy, pandas, matplotlib	●●●●○
Flask	●●●●○
Django	●●○○○
Git	●●●●○
AWS	●●○○○
SQL	●●●○○

TRAININGS

Introduction to Machine Learning in Production

Deeplearning.ai

Nov 2023

Supervised Machine Learning: Regression and Classification

Deeplearning.ai, Stanford University

Dec 2022

Fraud Detection on Financial Transactions with Machine Learning on Google Cloud

Google Cloud

Sep 2022

Advanced Computer Vision with Tensorflow

Deeplearning.ai

Jul 2022

Neural Networks and Deep Learning

Deeplearning.ai

Jul 2020

Automatic Optical Inspection for Screwing Process, 2023
The desktop application is intended to be used in the production for screwing quality check of product units. It runs a CNN-based classification algorithm in live-stream video in the region of interests drawn by the user on product image for Pass/Fail cases in process.
Tool Stack: PyQt, Tensorflow, OpenCV
GitHub repo:
`https://github.com/SananSuleymanov/AOI_screwing`

Vision Based Fish Tracker, 2023
It is master research project which was intended to be developed for the tracking and counting of underwater objects using camera in farms. Different kinds of state-of-the-art tracking algorithms such as DeepSORT, StrongSORT, OCSort are tried to find the best-performing options for environmental and object-related challenges. The model is deployed on a web application to allow users to upload videos for analyzing and receiving report.
Tool Stack: Flask, HTML/CSS, OpenCV, PyTorch
GitHub repo:
`https://github.com/SananSuleymanov/fish_tracker`

ENSA.ai - Machine Learning based control of Building HVAC system, 2022
ENSA.ai is an award winner team project developed for HVAC Energy Management in public buildings using AI-based occupancy predictor. Dataset collection for the training is conducted in a real-life environment. Deployment of trained FCNN model is done by developing REST API and Flask-based web application.
Tool Stack: Heroku, Flask, HTML/CSS, MongoDB, Tensorflow, pyplot, numpy, scikit-learn
GitHub repo: `Heroku,Flask,HTML/CSS,MongoDB,Tensorflow, pyplot,numpy,scikit-learn`

BROKR - Strock prediction application, 2022
The stock prediction app is a learning project which employs LSTM model for predicting next day price of stock according to previous days. The model is trained on the historical open-source data of companies. The developed web application demonstrates received time-series stock prices from Yahoo API on plot and allows to predict next value.
Tool Stack: Flask, HTML/CSS, Tensorflow, numpy, pandas, matplotlib
GitHub repo: `https://github.com/SananSuleymanov/BROKR_stock_prediction_app`

PUBLICATION

7th scientific-technical conference of students dedicated to the 90th anniversary of academician Azad Mirzajanzadeh

Thesis: Identification of Gas Lift Well Performance

2018 Baku

LANGUAGES

English
Azerbaijani
Turkish