Bekhzod Olimov

(올리모브 벡조드)

PhD in Computer Science and Engineering

A bright, target-driven, and articulate Machine Learning and Deep Learning enthusiast.

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LinkedIn Profile

Github Profile

Kaggle Profile

Google Scholar Profile

EDUCATION

Computer Science and Engineering, PhD — 4.3 / 4.3

Kyungpook National University

09/2019 ~ 08/2022

SKILLS

Image Classification | Semantic Segmentation | GAN | Object Detection | ML / DL | NLP | Retrieval/tracking | PyTorch | TensorFlow | Python | NumPy | CV2 | huggingface | transformers | Ubuntu/Linux | Git/docker

PROJECTS

Lesion Segmentation Study for Skin Cancer Diagnosis	08/2019~03/2020
Sentiment Analysis with Deep Learning using BERT	01/2020~03/2022
Object Classification in Autonomous Driving Applications	03/2020~09/2020
Development of Access Control System for People without Masks	08/2020~03/2021
Detection and Visualization of Abnormal Images in Fabric Products using AI	06/2021~06/2024
Artificial Intelligence-based Parking Sign Recognition System for the Disabled	08/2021~03/2022
Illegal Reading Application	09/2022~12/2023
Fire Detection using deep learning techniques	09/2022~
License Plate Generation & Recognition	10/2023~01/2023
Counting Number of People in the Crowd	11/2023 ~ 02/2023
Japanese and Chinese Manga to Webtoon conversion using AI	01/2023~
Automobile parts recognition using AI object detection technology	03/2023~10/2023
Image Retrieval of various domain images using Deep Learning	09/2023~
Automated System for Answering Complaints in the Korean Customs Office	01/2024 ~

PUBLICATIONS

Weight initialization based-rectified linear unit activation function to improve the performance of a convolutional neural network model
Concurrency and Computation: Practice and Experience, 2020

DeepCleanNet: Training Deep Convolutional Neural Network with Extremely Noisy Labels
IEEE Access, 2020

FU-Net: Fast Biomedical Image Segmentation Model based on Bottleneck Convolution Layers
Multimedia Systems, 2020

REF-Net: Robust, Efficient and Fast Network for Semantic Segmentation Applications using Devices with Limited Computational Resources
IEEE Access, 2021

AEDCN-Net: Accurate and Efficient Deep Convolutional Neural Network Model for Medical Image Segmentation
IEEE Access, 2021

UzADL: Anomaly Detection and Localization using Graph Laplacian Matrix-Based unsupervised Learning Method
Computers & Industrial Engineering, 2022

CMSFL-Net: Consecutive Multi-scale Feature Learning-based Image Classification Model
Scientific Reports, 2023

Extensive Knowledge Distillation Model: An End-to-End Effective Anomaly Detection Model for Real-Time Industrial Applications
IEEE Access, 2023

LANGUAGE CERTIFICATES

TOPIK	**Level 6 / 6**
(Test of Proficiency in Korean)	*(Full Professional Proficiency)*
TOEIC	**985 / 990**
(Test of English for International Communication)	*(Full Professional Proficiency)*
KIIP	**Level 5 / 5**
(Korean Immigration and Integration Program)	*(Full Professional Proficiency)*
Russian and Uzbek	*Native or bilingual proficiency*