KAN PAVEL VYACHESLAVOVICH

BSc in Computer Science and Software Engineering — Sep 2022 – Present (4th year)
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RESUME

  Aspiring researcher with a foundation in **computer vision and deep learning**, I am seeking to contribute to **cutting-edge projects in fields of general Artificial intelligence and Computer vision**. Eager to apply technical skills in a collaborative lab environment while preparing for graduate studies.

EDUCATION

International University of Information Technologies (Kazakhstan)   Sep. 2021 -Sep. 2022
Faculty of Information Technologies
State Educational Grant of the Republic of Kazakhstan. Full scholarship and funding provided by the Kazakhstani government.

GIST
Gwangju Institute of Science and Technology (South Korea)   Aug. 2024 – Dec. 2024
School of Engineering and Information Technology
Global student exchange program funded by GIST.

Kazakh-British Technical University (Kazakhstan)   Sep. 2022 - Present
School of Information Technologies and Engineering (GPA: 3.08/4.0)

Relevant Courses: Deep/Machine Learning. Computer/Robotic Vision, Data Structures and Algorithms, Discrete Mathematics, Statistics, Cognitive science.
State Educational Grant of the Republic of Kazakhstan. Full scholarship and funding provided by the Kazakhstani government

SKILLS

- **English:** C1 (Advanced)
- **Frameworks/Libraries**
  : PyTorch/Numpy/Pandas/AngularJs/Django
- **Computer Vision Algorithms**

- **Programming:** Python/C/Go/Java/JavaScript/HTML/CSSFr
- **Data Analysis/Visualization**
  : SciPy/ScikitLearn/Matplotlib
- **Machine/Deep learning Algorithms**

PROJECTS

- **Waste Detection and Classification Using YOLOv12**   *Python, PyTorch, Roboflow*
  https://github.com/molumolu-arch/robotic-vision-project

  - Developed an object detection model for automated waste sorting
  - Trained on a custom dataset with annotated images of plastic, paper, glass, etc.
  - Goal: promote sustainability through smart waste management systems

- **Tooth Diagnosis Detection Using Dentex Dataset**   *Python, PyTorch, OpenCV*

  - Built a deep learning pipeline for dental x-ray diagnosis using the DENTEX dataset
  - Detected and localized pathologies such as caries and impacted teeth using bounding boxes
  - Tested model in real case scenarios.