HYUNWOO KIM

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OBJECTIVE

Aspiring Web Design Publisher and AI/ML Engineer, currently participating in the K-Digital Training NVIDIA AI Academy, seeking entry-level opportunities in web development and AI, Machine Learning, and Deep Learning.

EDUCATION

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| NVIDIA AI Academy Participant, K-Digital Training Program | 2024.10 - 2025.04 |
| Smart Web Content UI/UX Design & Frontend (React.js) Course, Dodream | 2024.04 - 2024.10 |
| Bachelor of Industrial Management Engineering, Hansung University | 2014.03 - 2018.02 |

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| SKILLS |
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Technical Skills Python (TensorFlow, PyTorch, Pandas, NumPy, Scikit-learn), C/C++, JavaScript, HTML, CSS, Git, Photoshop, Illustrator, Figma, OpenCV, Ultralytics YOLO, Pygame

Soft Skills Problem Solving, Communication, Adaptability, Teamwork, Continuous Learning

AI/ML Deep Learning, Machine Learning, Computer Vision, Natural Language Processing (NLP)

Web Development HTML5, CSS3, JavaScript, React.js

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| EXPERIENCE |  |  |
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NVIDIA AI Academy Participant 2024.10 - 2025.04

(Participating in a full-time AI/ML training program. Utilized Kaggle TPUs and memory optimization techniques for model training. Focused on real-time object detection and conversational AI projects.)

Construction Management 2023 - 2024

Samsung Pyeongtaek Plant | Samsung C&T | FineTec

(Main duties: Managed construction sites and monitored construction progress.)

Event and Home Appliance Sales Assistant 2021 - 2022

Samsung Welstory | Samsung Electronics Sales

(Main duties: Supported event operations and Samsung home appliance sales.)

Public Service Worker 2019.04 - 2021.02

Gyeonggi Eastern Veterans Affairs Office

(Main duties: Supported the issuance of documents and certificates for persons of national merit.)

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| PROJECTS |  |  |
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Real-time Cigarette Detection System

(Developed a real-time object detection system using the YOLOv8 model to detect cigarettes. Implemented with OpenCV for webcam streaming, Ultralytics YOLO for object detection, and Pygame for audio alerts. Utilized threading for asynchronous processing. Fine-tuned the model and achieved a 98% accuracy.)

Fine-tuning Gemma 2 for Korean Emotional Dialogue

(Fine-tuned the Gemma 2 model using the AI Hub "Emotional Dialogue Corpus" to create a culturally sensitive AI companion for mental wellbeing support within the South Korean community. Leveraged Kaggle TPUs and LoRA for optimized training and memory efficiency.)