



KYUNGHEE ROH

AI Consultant

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SUMMARY

I am an AI strategist who analyzes business environments and requirements to recommend the most suitable AI solutions, while designing end-to-end AI systems that encompass infrastructure, deployment, and operational management

EDUCATION

Master of Mathematics (MDS)

Korea University
2024-2026

Bachelor of Physics

Konkuk University
2019-2024

SKILLS

- AI/AX Consulting
- Data Analysis
- Python
- SQL

CERTIFICATE

- ADsP
- SQLD

LANGUAGE

- English
- Japanese (beginner)

EXPERIENCE

Project Lead

2026.06 ~

Public AI | 기획교육부

Hyundai Motor Company | AI-Assisted Initial Parameter Estimation for Motor Control Calibration

- In Process

해양수산부 | AI-Based Analysis of Environmental Factors for Land-Based Seaweed Cultivation

- In Process

Research Assistant

2026.03~2026.04

삼일 PwC | D&AI 본부

Samsung Display | Display Defect Root Cause Analysis

- Identified key process factors associated with display defects through statistical analysis of process and metrology data.
- Performed spatial correlation analysis between metrology maps and defect maps using coordinate-based Pearson correlation.
- Quantified defect-related indicators using effect size measures and other statistical techniques to support automated root cause identification.

Project Assistant

2025.10 ~ 2026.03

한국능률협회컨설팅 KMAC | AI/빅데이터 본부

HL Holings | AI-Based Demand Forecasting Enhancement for Automotive Parts

- Analyzed automotive parts demand patterns and developed a forecasting framework capable of handling intermittent demand and sudden demand surges, improving forecast accuracy from 69.4% to 77.6%.
- Evaluated model performance across demand pattern categories and proposed optimization strategies to improve resilience against supply chain uncertainty and evolving technology trends, with potential annual cost savings of KRW 1.5-2.0 billion.

국민체육진흥공단 KSPO | AX Strategy Development for 2026

- Developed a mid-to-long-term AI Transformation (AX) strategy by analyzing internal and external environments, gathering stakeholder requirements, and benchmarking best practices to define strategic objectives, directions, and implementation initiatives.
- Established AI governance frameworks, including AI ethics principles and operational guidelines, and identified high-impact AI use cases in the sports industry while designing phased roadmaps for sustainable implementation and organizational adoption.