Junhyung Kim

 Seoul, Republic of Korea at100@g.skku.edu Bellissimo-AI **in** Bellissimo-AI Bellissimo-AI

Profile

Undergraduate student majoring in Artificial Intelligence at Sungkyunkwan University.

Research Interest

- Multimodal Fusion
- Multi-modal Large Language Models

Education

Sungkyunkwan University, Seoul, Republic of Korea *Mar 2023 – Present*
Bachelor of Science in Applied Artificial Intelligence
- GPA: 4.32/4.5 (Overall), 4.44/4.5 (Major)

Research Experience

Sungkyunkwan University, Seoul, Republic of Korea *Jul 2025 – Present*
Undergraduate Researcher (Advisor: YunSeok Choi)
Data & Language Intelligence Laboratory
- Conducted research on knowledge distillation and multimodal fusion.

Sungkyunkwan University, Seoul, Republic of Korea *Dec 2024 – Jul 2025*
Undergraduate Researcher (Advisor: Daeho Lee)
Digital Environment Human Behavior Laboratory
- Conducted research on predictive modeling using natural language processing.

Publications

Forecasting Stock Prices with a Multi-Domain News-Comment Anxiety Index and an Interpretable Temporal Fusion Transformer *Sep 2025*
Junhyung Kim, Sohyun An, Daeho Lee[†]
Journal of Forecasting (Under review)

Analyzing Political Bias in Korean Online Communities Using a Sentiment Analysis Model Based on Soft Voting of KcBERT and KcELECTRA *Jun 2025*
Junhyung Kim, Jihwan Chun, Sungjun Ha, Changi Choi, Daeho Lee[†]
International Telecommunications Policy Review (ITPR), 32(2), 35–63, June 2025

* Equal contribution. † Corresponding author.

Honors & Awards

Sungkyunkwan University College of Education Dean's Award, AI Hackathon *Oct 2025*
5th Sungkyunkwan University AI Hackathon, 2025
- Development of a high-fidelity tax advisory AI system integrating retrieval-augmented generation and self-rewarding large language model techniques.
- Awarded 5th place

Excellence Award, AI Competition *Sep 2025*
DACON Inc. · **Korea Energy Agency (KEA)**
Power Consumption Forecasting AI Competition, 2025 🔗

- Development of a large-scale electricity forecasting architecture combining hierarchical seasonal analysis and cluster-based representation learning. 🔗
- Awarded 2nd place out of 937 teams (Top 0.2%)

Institute for Information & Communications Technology Planning & *Aug 2025*
Evaluation President's Award, AI Competition
SW-Centered University Digital Competition: AI Sector, 2025 🔗

- Development of a multi-phase AI system for detecting LLM-generated text, integrating document-to-paragraph self-distillation and LLM-based data augmentation. 🔗
- Awarded 3rd place out of 271 teams (Top 1%)
- Winner of the Popularity Award

DB Kim Jun Ki Cultural Foundation Chairman's Award, Research Paper *May 2025*
Competition
15th DB Insurance & Finance Contest, 2025 🔗

- Authored a paper on anxiety sentiment and bond investment behavior using BERT.
- Awarded 5th place out of 546 teams (Top 0.9%)

Korea Intellectual Property Office Commissioner's Award, Idea Competi- *Aug 2023*
tion
National Defense Conundrum Solution Idea Competition

- Designed an AI-based system for mitigating acoustic noise in naval propulsion and maneuvering.
- Awarded 1st place

Scholarship

Presidential Science Scholarship, Engineering *Mar 2025 - Present*
President of the Republic of Korea

- Selected as one of 60 outstanding science and engineering students nationwide to receive full-tuition support and research funding.

Academic Excellence Scholarship for 2024 Spring Semester *Aug 2024*
College of Computing and Informatics, Sungkyunkwan University

- Achieved a 4.50/4.50 GPA for 17 Credits, Ranking in the Top 1%.

Student Success Scholarship (Leader) *Feb 2024*
Sungkyunkwan University

- Granted in recognition of leadership, initiative, and student engagement.

YulGok Scholarship *Mar 2023 – Feb 2025*
Sungkyunkwan University

- Awarded for 4 consecutive semesters based on outstanding academic achievement at admission.